



Fire Protection Cabinets

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* For installation in cabinet types UF, AF, SF

Striebel & John – Your specialists for electrical distribution systems

Within just a few years of its foundation in 1958, Striebel & John had already become the renowned manufacturer of electrical distribution systems that it is today.

Right from the outset, Striebel & John maintained close contacts and promoted the in-depth exchange of ideas with skilled electricians. This partnership has paid dividends for both ourselves and our customers.

We develop and produce custom electrical distribution systems for all types of buildings – from single family homes to industrial complexes. In all cases we pursue the principle of modularity: The Striebel & John modular system allows a highly flexible configuration of distribution board combinations. Practical detailed solutions enable rapid and flexible installation.

Our wide and refined range of products meets all requirements with regard to ease of installation, ease of assembly and user-friendliness.



The Striebel & John training and administrative centre.



*For further information,
just call
(+49) (0) 78 41 - 609 - 0*



We supply:

- A full range of cabinets and distribution boards
- An intelligently designed configuration and wiring system
- An application-specific software package

ABB Low Voltage Products - the complete solution

ABB is a market leader in low voltage applications. We offer one of the largest ranges of high quality products and systems available from any single supplier, backed up by in-depth application know-how. In putting together its portfolio, ABB has taken care to address not only the core technology but also the systems and services that support customers across the total life cycle. ABB supplies not just electrical distribution board systems but everything that you require for your practical installation work.



ABB Striebel & John Cabinets are designed to allow fast and simple solutions for incorporating ABB Low Voltage Products such as:

Breakers:

air circuit breakers, moulded-case circuit breakers.

Switches and fusegear:

switch fuses, HRC fuse links, fuse bases, fuse switches, switch fuse disconnectors in tier type, fuse monitors.

Line Protection Devices:

modular components and systems with protection, switching, control and measuring functions, accessories for connection and installation, manual motorstarters.

Take advantage of the variety from Striebel & John

From a multiple-family apartment building to industrial buildings – wherever electricity is metered and distributed, you will find efficient Striebel & John products in use. Of course, we also offer a wide range of special solutions for electrical distribution, for example stainless steel enclosures, switchgear cabinets in special dimensions, panelboards, housings, consoles etc.

Our success is based on the principle of modularity. The Striebel & John building block principle opens an infinite number of possibilities to you.

Our technical sales staff will be pleased to help you further and are sure to have a solution for you at hand.

Our strength

Our close cooperation with practising electrical specialists has made us a sought-after manufacturer and partner. We do all we can to contribute to the success of electrical practitioners by offering a wide range of products which could not be easier to install, assemble or use. We also support our partners by providing product training sessions so that they can find out how to make the most of the assembly benefits of our product range.

Residential

- Single family homes
- Multiple family apartments
- Terraced houses
- etc.



Large buildings

- Airports
- High-rise buildings
- Residential developments
- Railway stations
- etc.



Industrial buildings

- Office and administration complexes
- Storage halls
- Production halls
- Catering
- etc.



Special projects

- Commercial buildings
- Central switchboards, e.g. for post offices
- Control panelboards, e.g. for banks and churches
- etc.



Trade fairs



Trade fairs are always something special. This is not only because of the innovations on show, but also because they offer the opportunity to establish and cultivate contact with a number of people face to face. Trade fairs are meeting places where experts and practitioners can share their experience. Our product range is regularly represented at all the big trade fairs and regional specialist shows, both at home and abroad.

You can find us on the following trade fairs world-wide:

- | | |
|---------------------------|-----------|
| ■ Light & Building | Frankfurt |
| ■ Hannover Fair | Hannover |
| ■ Automation World | Houston |
| ■ Mataltec | Madrid |
| ■ Middle East Electricity | Dubai |
| ■ Elcom | Kiev |
| ■ Elektro | Moscow |
| ■ SAABB | Riyadh |



Voltimum

“The place to be for electrical installation technology”

Together with other leading manufacturers, Striebel & John runs a central Internet gateway by the name of Voltimum, which provides all the information you could need about modern electrical installation technology.

Visit **www.voltimum.com** to find data, information and documents relating to electrical installation technology products and services quickly and easily.



Comprehensive Information

At Striebel & John, dialog with the practitioners who actually use our products is very important. This is why our brochures and catalogues are designed around the needs of our customers. We have combined product information for all fields and targeted it towards installation engineers, planners, switchgear manufacturers and electrical wholesale dealers. Our catalogues and brochures provide information that you will find useful in your day to day work.

Main Catalogues

The main catalogues Part 1, Part 2 and Part 3 present Striebel & John's entire range of products, from consumer units for domestic buildings to wall and floor-standing cabinets for large building complexes, through to modular switchgear cabinets for powerful industrial plants. The contents of the catalogues have been adapted to the specific needs and requirements of the relevant individual groups of consumers and areas of application. The catalogues also provide comprehensive information on configuring, costing and assembling electrical distribution systems. Technical specifications, notes on standards and much more, complete the catalogues and ensure that they are an indispensable tool for the electrical specialist. All our catalogues can be ordered in a print version, or can be downloaded as a PDF file from our Website at www.striebelundjohn.com.



Distribution Board Pocket Guide

This hand-size brochure is a great help-where it can be used to choose the right products for the job (on a construction site, for example). Data and prices relating to electric circuit distribution boards, consumer units, modular cabinet systems, distribution panels, floor-mounted distribution boards and important accessories is presented clearly and concisely. The brochure is available in a print version, or as download from the Website at



Product Brochures

In addition to our Main Catalogues, we also offer other product brochures. The technical specifications and comprehensive product information they contain provide you with valuable support when planning and configuring our distribution systems. The brochures are available in a print version or as download from the Website at www.striebelundjohn.com.



www.striebelundjohn.com.



Quality Management at Striebel & John

The standard for quality at Striebel & John orientates itself on the high demands of our customers.

Striebel & John is an innovative company, placing its customers demands, with respect to products and services, in the focus of its thinking and daily business. Aspects like environmental management, occupational safety, and fire protection divisions are embedded in our quality management system. Striebel & John is certified in accordance with both ISO 9001 and ISO 14001. Quality awareness, high motivation, and the exemplary flexibility of our employees during their daily work, guarantees the constant improvement of customer satisfaction, and of our operational processes.

We are thereby pursuing our corporate aims:

- Success through satisfied customers
- Quality through motivated staff
- Joint efficiency with reliable partners
- Taking social responsibility and preserving our natural living conditions
- Corporate success through efficient business processes

internationally recognised standard for environmental management systems, namely DIN EN ISO 14001 that covers the entire industry. The management system helps to improve our products' safety and environmental compatibility. The products are developed, manufactured and inspected in such a way that all safety, environmental and reliability requirements are guaranteed. Customers receive only products and services which have been proved to fulfil these exacting demands.

ENVIRONMENTAL POLICY is very important at Striebel & John

Our company is situated in one of our region's most attractive landscapes. With this in mind, Striebel & John frequently has to deal with environmental matters and has practised environmental management based on the



Customer Training - Support That Can Be Used In Practice

Opportunities for further training in the area of electrical distribution system technology and specific product training sessions have always been part of the Striebel & John tradition - and still are to this day. As an innovative manufacturer of electrical distribution systems, we help our customers to extract the maximum possible benefit from those systems' distinctive assembly features. The aim of the training sessions is to provide information in a manner that can be understood, and to impart knowledge by means of practical exercises. This is why our customer training sessions are based on a highly practical approach with just the right amount of theory.

Product Training Sessions

Participants in these sessions are given a comprehensive overview of all Striebel & John products, from distribution boards to consumer units, wall and free-standing cabinets and modular switch cabinets. They learn about the installation and assembly benefits of our practical detailed solutions and are made familiar with Striebel & John system technology. The two-day training session also includes a demonstration of the StrieSoft planning software package.



Planning Software Training Sessions

Striebel & John planning software comprises the Panel Design Configurator 3.0 and the StrieSoft tools, which together represent a modular software package for professional, efficient processing of quotations and projects. This software package supports modern distribution board manufacturers in carrying out efficient planning, reliable calculations, cost-effective administration and quick and easy archiving. Striebel & John offers training sessions on both of these tools.



www.striebelundjohn.com

Go online to find valuable, useful information. Our homepage provides an overview of our company, our products and our services. Our download area contains current product brochures and the latest technology from the world of electrical distribution systems.



The product finder - with few clicks to the correct product

For our registered and TTA-partners, we have set up a "Premium Forum". Here you will find additional information such as documentation, mounting instruction and software.



You can download or order our current product brochures from www.striebelundjohn.com.

Striebel & John Newsletter

NEW!

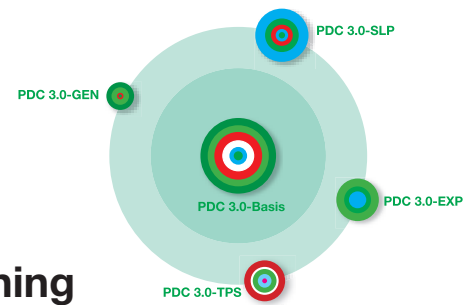
Our electronic newsletter provides you with information about products, services and all other news relating to sales. Fast and up to date - with the newsletter, you always know the latest developments.



Do you want to receive the electronic newsletter regularly and keep up to date?
Register at: **www.striebelectron.com**



Panel Design Configurator 3.0 – an all-round solution for project planning



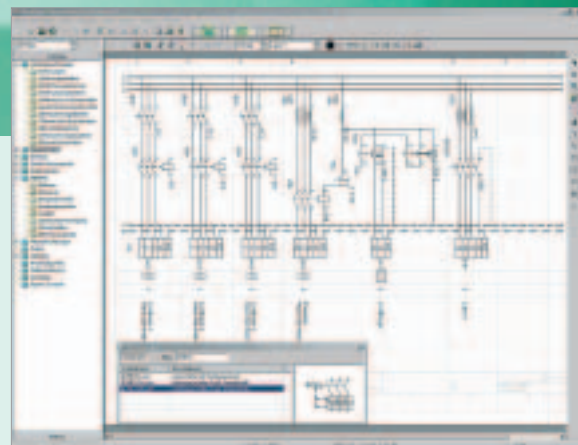
NEW!

Panel Design Configurator 3.0 is an all-round solution – perfectly designed, fully flexible and totally open-ended. The software is just the thing for the complete planning and design of electrical distribution systems and switchgear. You can use efficient offer documentation including part lists, design and circuit diagrams. With PDC 3.0 you can work faster, better and more efficiently.

It all revolves around Panel Design Configurator-Basis. The free basic version makes it easy to draw up offers, produce front views and do much more. The Add-on modules expand your areas of expertise. PDC-SLP is ideal for drawing perfect circuit diagrams. PDC-EXP can be used to export data to various applications. PDC-GEN for generating user-defined symbols. And PDC-TPS for planning and projecting of switchboard solutions from 1250 A up to 4000 A, completes the range of functions offered by Panel Design Configurator 3.0.



PDC 3.0 – project planning made simple



*PDC 3.0-SLP –
compiling circuit diagrams is simplicity itself*



PDC 3.0 Basis – project planning made simple

Projects can be clearly managed with Windows-standard hierarchical folder structures with direct access to parts lists, circuit diagrams and front views. Projects can be displayed and processed in the parts lists or in the front view. The easy-to-use product navigator allows you to select the items and paste them in using Drag & Drop.

ADD-ON MODULE

PDC 3.0 SLP – compiling circuit diagrams is simplicity itself



The new PDC-SLP module for designing circuit diagrams will now replace the tried and tested StrieCad program. PDC-SLP combines the simple, modern interface of PDC with the tried and tested functions of StrieCad, while offering a wide range of new functions for compiling circuit diagrams. PDC-SLP offers maximum flexibility in planning projects.



ADD-ON MODULE

PDC-EXP – data exports in various formats

Panel Design Configurator-EXP is available for exporting data to other application programs. Offers, parts lists, circuit diagrams and front views can be transmitted in various formats. Circuit diagrams and plan views are exported in DXF format. Offers and parts lists are exported in Acrobat PDF, RTF, Word, Excel or Text formats.

ADD-ON MODULE

PDC-GEN – generate your own symbols

You can produce your own symbols using the symbol generator module. The free basic version of Panel Design Configurator 3.0 comes with over 5,000 graphical symbols. Another 1,500 symbols are contained in the add-on module Panel Design Configurator-SLP. If you wish to add other vital symbols to your designs, the symbol generator is the tool you need to create them.



ADD-ON MODULE

PDC-TPS – TriLine-R Power Solutions

This add-on, available to registered and TTA-partners, incorporates all the information required to plan switchboards with higher rated currents. From 1250 A to 4000 A you can plan your layout and calculate your project quickly and effectively. Whether you are planning your incoming circuit breaker, outgoing breakers or fuse switch disconnectors, this add-on allows you to configure according to your requirements and provides you with front views and parts lists accordingly.



Do you require more detailed information?

If you would like further information or if you have more detailed questions on any aspect of PDC 3.0, please call us or send a mail to info.desuj@de.abb.com. You can find more information about PDC 3.0 or download the current PDC 3.0 Basis software on our website www.striebelundjohn.com. Would you like more information how to get one of the add-on modules, please fill in the registration form also on the website. We would be happy to help you further.

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Fire Protection Cabinets

Cabinets for Fire Prevention

On average, a fire starts in Germany approximately every three minutes. Lives are put at risk and the financial cost in terms of the damage caused is high.

It is not only the people actually in charge of the building who are responsible for fire prevention. In planning and designing switchgear installations, expert electrical planners and engineers or switchgear manufacturers have a duty to ensure that their systems cannot cause a fire. In electrical switchgear,

- loose terminals
- short circuits
- electrical arcs
- overloads
- insulation faults
- and the effects of lightning

can all cause a fire to break out. This means that it is also the operator's responsibility to check, maintain and, if necessary, upgrade the electrical installation at specified intervals.

In the case of technical installations in industrial environments or building complexes that house a large number of people, such as airports, train stations, residential homes, hospitals or hotels, it is extremely important that the operational reliability of an electrical system is maintained even during a fire. After all, without lighting in escape routes, methods of communication such as telephones, emergency call or alarm systems, life support systems in hospitals, or IT control systems for manufacturing processes, getting people to safety would be an impossible task. Also, rescue workers would not be able to use the technical infrastructure to protect people as they fled.

The technical requirements for fire protection are set out in the German basic legal regulations for buildings (MBO, the Model Building Regulation, and MLAR, the cabling system design directive). Section 3.2.1 of the MLAR regulates the behaviour of measuring and distribution systems in the event of fire, in terms of their ability to isolate fires from escape and rescue routes over a required period of time (in accordance with Classification I30).

In Section 5.1.2, the MLAR outlines the regulations for the ability of electrical systems to retain their function in the event of fire, which also includes the cables of the essential safety installations that are connected to them, over a required period of time (in accordance with Classification E30/E90).

Striebel & John offers an innovative cabinet system for fire prevention, which is constructed from fireproof materials, features optimum technology and is available in a variety of economical designs.

A wide range of wall cabinets (flush/surface/enclosure) and floor standing cabinets (surface) is available in a variety of cabinet sizes.

- 1) Level of interior fire protection, fire resistance duration of at least 30 min. To check the I30 classification of the fire protection cabinets, testing has been carried out in accordance with DIN 4102 Part 11. The electrotechnical interior fittings have been tested in accordance with DIN EN 60439-1 (VDE 0660-500), Section 8.2.1; compliance with the limit overtemperature has been verified under standard operating conditions.
- 2) Level of exterior fire protection, fire resistance duration of at least 30/90 mins. To check the E30/E90 classification of the fire protection cabinets, testing has been carried out in accordance with DIN 4102 Part 12. The electrotechnical interior fittings have been tested in accordance with DIN EN 60439-1 (VDE 0660-500), Section 8.2.1; compliance with the limit overtemperature has been verified under standard operating conditions.

Striebel & John has expanded its range to include fire protection enclosure cabinets, wiring cabinets and protective cover doors which, in addition to having a fire resistance duration that conforms to DIN 4102 Part 2 (F30/F90), also guarantee to check fire load (I30/I90) and maintain functionality (E30/E90).

A2 Material class with surface design

F30 Fire resistant for over 30 minutes

I30 Check fire loads for over 30 minutes

E30 Maintain functionality for over 30 minutes

F90 Fire resistant for over 90 minutes

I90 Check fire loads for over 90 minutes

E90 Maintain functionality for over 90 minutes

Fire Protection Cabinets

General Technical Data

Technical parameters:

Safety-related requirement:	1) Level of interior fire protection, fire resistance duration of at least 30 min. To check the I30 classification of the fire protection cabinets, testing has been carried out in accordance with DIN 4102 Part 11. The electrotechnical interior fittings have been tested in accordance with DIN EN 60439-1 (VDE 0660-500), Section 8.2.1; compliance with the limit overtemperature has been verified under standard operating conditions. 2) Level of exterior fire protection, fire resistance duration of at least 30/90 min. To check the E30/E90 classification of the fire protection cabinets, testing has been carried out in accordance with DIN 4102 Part 12. The electrotechnical interior fittings have been tested in accordance with DIN EN 60439-1 (VDE 0660-500), Section 8.2.1; compliance with the limit overtemperature has been verified under standard operating conditions.
Mounting type:	Flush wall mounting Surface wall mounting Surface floor mounting
Cabinets:	Highly compressed, multi-layer fire protection plates (DIN 4102-1) made from "A2" class material, fireproof, impervious to smoke
Surface:	Light grey coating similar to RAL 7035 edges with contrasting colours
Door:	Door can be right or left-hinged 180° opening angle
Locking:	With metallic swivel handle, ready for use with a DIN semi cylinder
Interior:	Ready for integration of distribution panels and TNF modular system panels
Cable entry:	Above/below as required, or on both top and bottom
Standard ventilation:	Ventilation closes automatically in the event of fire
Additional ventilation:	Ventilation aperture with ventilator including power supply Ventilation aperture with smoke detector
Additional features:	IP54, Plinth Cable cooling unit Various surface designs

Standards/regulations

DIN EN 60439-1 (VDE 0660-500)	X
DIN 43880 (modular devices)	X
Degree of protection	IP41 (IP54)
Installation site/environment	Interior
Mean ambient temperature over 24 hours	+ 35°
Maximum ambient temperature	+ 40°
Minimum ambient temperature	- 5°
Relative air humidity, long-term	50%/40°
Relative air humidity, short-term	100%/25°

Electrical characteristics

Rated impulse withstand voltage U_{imp}	III/6 kV
Degree of pollution	3
Protection class	I
Rated peak withstand current I_{pk} 0.1 sec	max. 25 kA
Rated short-time current I_{cw} 1.0 sec	max. 12 kA
Rated frequency	50 - 60 Hz
Rated insulation voltage U_i	690 V
Rated operating voltage AC U_e	400 V

Fire Protection Cabinets

Standard Equipment

A2

F30

I30

E30

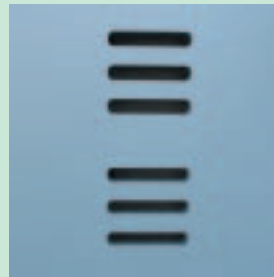
F90

I90

E90



- Material plus surface – A2
- Fire resistance F30/F90
- Maintain functionality E30/E90
- Check fire load I30/I90
- Protection class I (II)
- IP41 degree of protection
- Impervious to smoke



■ Ventilation system

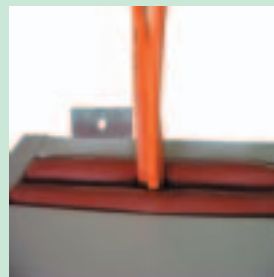
Ventilation with thermal lock triggering for cabinets 2 or more panels wide



■ Changeable door hinge

The door hinge can be easily swapped over- to make use of this feature, the hinges are simply unscrewed from the door jamb and screwed into the wall jamb on the opposite side. The door is attached

using the predrilled mounting holes in the door and the cabinet body.



■ Cable bulkhead for inserting cable bundles

Cables are inserted using a bulkhead which covers the total width.

Cables with an external diameter of up to 70 mm or bundles of cables can be ins-

erted. The flexible bulkhead material automatically creates a seal around the area which is not being used. The cable bulkheads are available in versions for feeding in cables from above, below, or from above and below.



■ Removable stainless steel hinges

High-quality stainless steel hinges with a removable pivot pin allow the door to be easily detached. Thus, the amount of weight can be considerably reduced for transportation purposes if required.



■ Swivel handle locking

Swivel handle with stainless steel appearance, on the centre of the door, designed for use with DIN semi cylinders - can be integrated into domestic locks

Fire Protection Cabinets

Standard Equipment



■ Mounting brackets

The fire protection cabinets (with the exception of flush mounted types) are screwed to the wall behind using two mounting brackets that are attached to the top of them. This allows cabinets whose

equipment has already been installed to be quickly and easily mounted.

- Cabinets are empty and ready for integration of distribution or TNF modular system panels
- Doors easily detachable – removable pivot pin
- Reduction in weight thanks to door removal
- 180° door opening angle
- Can be locked using door closure rod, 2-point lock
- If necessary, cabinet can be disassembled
- Light grey coating, similar to RAL7035, edges with contrasting colours
- High chemical resistance (surface characteristics conforming to EN 438-2)
- High mechanical stability and resistance
Brinell hardness: 50 N/mm²
- High material density - 1450 kg/m³



Fire Protection Cabinets

Flush Mounted Wall Cabinet



Flush mounted wall cabinet UF

IP41

205 mm cabinet depth

A2

F30

I30

E30

Cabinet for flush wall mounting

F90

I90

E90

Function

- Material with A2 surface coating – fireproof, tested in accordance with DIN 4102 Part1
- Fire resistance F30/F90, tested in accordance with DIN 4102 Part 2
- Check fire load I30/I90 in accordance with DIN 4102 Part 11
- Maintain functionality E30/E90 in accordance with DIN 4102 Part 12
- IP41 degree of protection
- Impervious to smoke

Construction features

- Flush mounting
- Changeable door hinge
- Detachable door, reducing overall weight of cabinet
- Can be locked using swivel handle sash lock
- Cable entry from above and below
- Internal door
- 180° door opening angle
- Integrated system for accommodating TNF modular system panels and distribution panels

Surface

- Light grey coating, similar to RAL7035, edges with contrasting colours
- High chemical resistance
- High mechanical stability and resistance

Additional features/options

- Various surface designs

Fire Protection Cabinets

Flush Mounted Wall Cabinet, 205 mm Depth

Flush mounted wall cabinet I30/E30

IP41 𠄎𠄎

205 mm cabinet depth

A2

F30

I30

E30

Overall height OH	Grid units GU	Panels wide PW	Space units SU					Door hinge and ventilation				Cable entry			External dimensions H/W/D (mm)		
								Unvent./vent.		Vent. w. Fan							
				205	334	434	534	R	L	R	L	Above	Below	Both	Type	Ord. No.	
0	4	1	48	2				0						2	1/0UF2020	40008	682 x 332 x 205
0	4	1	48	2					1					2	1/0UF2120	40009	682 x 332 x 205
0	4	2	96	2				0						2	2/0UF2020	40020	682 x 582 x 205
0	4	2	96	2					1					2	2/0UF2120	40021	682 x 582 x 205
2	6	1	72	2				0						2	1/2UF2020	40028	982 x 332 x 205
2	6	1	72	2					1					2	1/2UF2120	40029	982 x 332 x 205
2	6	2	144	2				0						2	2/2UF2020	40040	982 x 582 x 205
2	6	2	144	2					1					2	2/2UF2120	40041	982 x 582 x 205

Flush mounted wall cabinet I90/E90

IP41 𠄎𠄎

205 mm cabinet depth

A2

F90

I90

E90

Overall height OH	Grid units GU	Panels wide PW	Space units SU					Door hinge and ventilation				Cable entry					
								Unvent./vent.		Vent. w. Fan							
				Cabinet depth				R	L	R	L	Above	Below	Both			
205	334	434	534	0	1	2	3	0	1	2							
0	4	1	48	2				0						2	1/0UF2021	40052	682 x 332 x 205
0	4	1	48	2					1					2	1/0UF2121	40053	682 x 332 x 205
0	4	2	96	2				0						2	2/0UF2021	40064	682 x 582 x 205
0	4	2	96	2					1					2	2/0UF2121	40065	682 x 582 x 205
2	6	1	72	2				0						2	1/2UF2021	40076	982 x 332 x 205
2	6	1	72	2					1					2	1/2UF2121	40077	982 x 332 x 205
2	6	2	144	2				0						2	2/2UF2021	40088	982 x 582 x 205
2	6	2	144	2					1					2	2/2UF2121	40089	982 x 582 x 205

Fire Protection Cabinets

Surface Mounted Wall Cabinet



Surface mounted wall cabinet AF

IP41 $\frac{\text{L}}{\text{L}}$

Cabinet depth with I30/E30 classification 334 mm and 434 mm

Cabinet depth with I90/E90 classification 338 mm and 438 mm

A2

F30

I30

E30

F90

I90

E90

Cabinet for surface wall mounting

Function

- Material with A2 surface coating – fireproof, tested in accordance with DIN 4102 Part 1
- Fire resistance F30/F90, tested in accordance with DIN 4102 Part 2
- Check fire load I30/I90 in accordance with DIN 4102 Part 11
- Maintain functionality E30/E90 in accordance with DIN 4102 Part 12
- IP41 degree of protection $\frac{\text{L}}{\text{L}}$
- Impervious to smoke

Construction features

- Wall mounting
- Changeable door hinge
- Detachable door, reducing overall weight of cabinet
- Can be locked using door closure rod
- Cable bulkhead for inserting cable bundles (above, below, both above and below)
- Mounting brackets
- Internal door
- 180° door opening angle
- Integrated system for accommodating TNF modular system panels and distribution panels

Surface

- Light grey coating, similar to RAL7035, edges with contrasting colours
- High chemical resistance
- High mechanical stability and resistance

Additional features/options

- Cable cooling unit (KAF)
- Ventilation and smoke detector – IRM
- Ventilation
- IP54 kit AF54
- SOAF plinth
- Various surface designs

Fire Protection Cabinets

Surface Mounted Wall Cabinet, 334 mm Depth

Surface mounted wall cabinet, I30/E30 classification*1

IP41 $\perp$

334 mm cabinet depth

A2

F30

I30

E30

								Door hinge and ventilation						Cable entry					
								Unvent./vent.*2		Vent .w. Fan*3									
Overall height OH	Grid units GU	Panels wide PW	Space units SU	Cabinet depth				R	L	R	L	Above	Below	Both	Type	Ord. No.	External dimensions H/W/D (mm)		
				205	334	434	534	0	1	2	3	0	1	2					
000	2	1	24		3			0				0			1/000A3000	40092	424 x 374 x 334		
000	2	1	24		3				1			0			1/000A3100	40093	424 x 374 x 334		
000	2	1	24		3			0					1		1/000A3010	40096	424 x 374 x 334		
000	2	1	24		3				1				1		1/000A3110	40097	424 x 374 x 334		
000	2	1	24		3			0						2	1/000A3020	40100	424 x 374 x 334		
000	2	1	24		3				1					2	1/000A3120	40101	424 x 374 x 334		
00	3	1	36		3			0				0			1/00A3000	40104	574 x 374 x 334		
00	3	1	36		3				1			0			1/00A3100	40105	574 x 374 x 334		
00	3	1	36		3			0					1		1/00A3010	40108	574 x 374 x 334		
00	3	1	36		3				1				1		1/00A3110	40109	574 x 374 x 334		
00	3	1	36		3			0						2	1/00A3020	40112	574 x 374 x 334		
00	3	1	36		3				1					2	1/00A3120	40113	574 x 374 x 334		
00	3	2	72		3			0				0			2/00A3000	40116	574 x 624 x 334		
00	3	2	72		3				1			0			2/00A3100	40117	574 x 624 x 334		
00	3	2	72		3					2		0			2/00A3200	40118	574 x 624 x 334		
00	3	2	72		3						3	0			2/00A3300	40119	574 x 624 x 334		
00	3	2	72		3			0					1		2/00A3010	40117	574 x 624 x 334		
00	3	2	72		3				1				1		2/00A3110	40121	574 x 624 x 334		
00	3	2	72		3					2			1		2/00A3210	40122	574 x 624 x 334		
00	3	2	72		3						3		1		2/00A3310	40123	574 x 624 x 334		
00	3	2	72		3			0						2	2/00A3020	40124	574 x 624 x 334		
00	3	2	72		3				1					2	2/00A3120	40125	574 x 624 x 334		
00	3	2	72		3					2				2	2/00A3220	40126	574 x 624 x 334		
00	3	2	72		3						3			2	2/00A3320	40127	574 x 624 x 334		
0	4	1	48		3			0				0			1/0AF3000	40128	724 X 374 x 334		
0	4	1	48		3				1			0			1/0AF3100	40129	724 X 374 x 334		
0	4	1	48		3			0					1		1/0AF3010	40132	724 X 374 x 334		
0	4	1	48		3				1				1		1/0AF3110	40133	724 X 374 x 334		
0	4	1	48		3			0						2	1/0AF3020	40136	724 X 374 x 334		
0	4	1	48		3				1					2	1/0AF3120	40137	724 X 374 x 334		
0	4	2	96		3			0				0			2/0AF3000	40140	724 x 624 x 334		
0	4	2	96		3				1			0			2/0AF3100	40141	724 x 624 x 334		
0	4	2	96		3					2		0			2/0AF3200	40142	724 x 624 x 334		
0	4	2	96		3						3	0			2/0AF3300	40143	724 x 624 x 334		
0	4	2	96		3			0					1		2/0AF3010	40144	724 x 624 x 334		
0	4	2	96		3				1				1		2/0AF3110	40145	724 x 624 x 334		
0	4	2	96		3					2			1		2/0AF3210	40146	724 x 624 x 334		
0	4	2	96		3						3		1		2/0AF3310	40147	724 x 624 x 334		
0	4	2	96		3			0						2	2/0AF3020	40148	724 x 624 x 334		
0	4	2	96		3				1					2	2/0AF3120	40149	724 x 624 x 334		
0	4	2	96		3					2				2	2/0AF3220	40150	724 x 624 x 334		
0	4	2	96		3						3			2	2/0AF3320	40151	724 x 624 x 334		

*1 A cable cooling unit is required for E30 to maintain functionality (see page 31)

*2 1 panel wide, unventilated / 2 or more panels wide, ventilated

*3 Ventilated with fan

Fire Protection Cabinets

Surface Mounted Wall Cabinet, 334 mm Depth

Surface mounted wall cabinet, I30/E30 classification*1

IP41 $\frac{\perp}{\perp}$

334 mm cabinet depth

A2

F30

I30

E30

Overall height OH	Grid units GU	Panels wide PW	Space units SU					Door hinge and ventilation				Cable entry			External dimensions H/W/D (mm)			
								Unvent./vent.*2		Vent .w. Fan*3		Above	Below	Both				
				205	334	434	534	R	L	R	L	0	1	2	Type	Ord. No.		
1	5	1	60		3			0				0				1/1AF3000	40152	874 x 374 x 334
1	5	1	60		3				1			0				1/1AF3100	40153	874 x 374 x 334
1	5	1	60		3			0					1			1/1AF3010	40156	874 x 374 x 334
1	5	1	60		3				1				1			1/1AF3110	40157	874 x 374 x 334
1	5	1	60		3			0						2		1/1AF3020	40160	874 x 374 x 334
1	5	1	60		3				1					2		1/1AF3120	40161	874 x 374 x 334
1	5	2	120		3			0				0				2/1AF3000	40164	874 x 624 x 334
1	5	2	120		3				1			0				2/1AF3100	40165	874 x 624 x 334
1	5	2	120		3					2		0				2/1AF3200	40166	874 x 624 x 334
1	5	2	120		3						3	0				2/1AF3300	40167	874 x 624 x 334
1	5	2	120		3			0					1			2/1AF3010	40168	874 x 624 x 334
1	5	2	120		3				1				1			2/1AF3110	40169	874 x 624 x 334
1	5	2	120		3					2			1			2/1AF3210	40170	874 x 624 x 334
1	5	2	120		3						3		1			2/1AF3310	40171	874 x 624 x 334
1	5	2	120		3			0						2		2/1AF3020	40172	874 x 624 x 334
1	5	2	120		3				1					2		2/1AF3120	40173	874 x 624 x 334
1	5	2	120		3					2				2		2/1AF3220	40174	874 x 624 x 334
1	5	2	120		3						3			2		2/1AF3320	40175	874 x 624 x 334
2	6	1	72		3			0				0				1/2AF3000	40176	1024 x 374 x 334
2	6	1	72		3				1			0				1/2AF3100	40177	1024 x 374 x 334
2	6	1	72		3			0					1			1/2AF3010	40180	1024 x 374 x 334
2	6	1	72		3				1				1			1/2AF3110	40181	1024 x 374 x 334
2	6	1	72		3			0						2		1/2AF3020	40184	1024 x 374 x 334
2	6	1	72		3				1					2		1/2AF3120	40185	1024 x 374 x 334
2	6	2	144		3			0				0				2/2AF3000	40188	1024 x 624 x 334
2	6	2	144		3				1			0				2/2AF3100	40189	1024 x 624 x 334
2	6	2	144		3					2		0				2/2AF3200	40190	1024 x 624 x 334
2	6	2	144		3						3	0				2/2AF3300	40191	1024 x 624 x 334
2	6	2	144		3			0					1			2/2AF3010	40192	1024 x 624 x 334
2	6	2	144		3				1				1			2/2AF3110	40193	1024 x 624 x 334
2	6	2	144		3					2			1			2/2AF3210	40194	1024 x 624 x 334
2	6	2	144		3						3		1			2/2AF3310	40195	1024 x 624 x 334
2	6	2	144		3			0						2		2/2AF3020	40196	1024 x 624 x 334
2	6	2	144		3				1					2		2/2AF3120	40197	1024 x 624 x 334
2	6	2	144		3					2				2		2/2AF3220	40198	1024 x 624 x 334
2	6	2	144		3						3			2		2/2AF3320	40199	1024 x 624 x 334
2	6	3	216		3			0				0				3/2AF3000	40200	1024 x 874 x 334
2	6	3	216		3				1			0				3/2AF3100	40201	1024 x 874 x 334
2	6	3	216		3					2		0				3/2AF3200	40202	1024 x 874 x 334
2	6	3	216		3						3	0				3/2AF3300	40203	1024 x 874 x 334
2	6	3	216		3			0					1			3/2AF3010	40204	1024 x 874 x 334
2	6	3	216		3				1				1			3/2AF3110	40205	1024 x 874 x 334
2	6	3	216		3					2			1			3/2AF3210	40206	1024 x 874 x 334
2	6	3	216		3						3		1			3/2AF3310	40207	1024 x 874 x 334
2	6	3	216		3			0						2		3/2AF3020	40208	1024 x 874 x 334
2	6	3	216		3				1					2		3/2AF3120	40209	1024 x 874 x 334
2	6	3	216		3					2				2		3/2AF3220	40210	1024 x 874 x 334
2	6	3	216		3						3			2		3/2AF3320	40211	1024 x 874 x 334

*1 A cable cooling unit is required for E30 to maintain functionality (see page 31)

*2 1 panel wide, unventilated / 2 or more panels wide, ventilated

*3 Ventilated with fan

Fire Protection Cabinets

Surface Mounted Wall Cabinet, 334 mm Depth

Surface mounted wall cabinet, I30/E30 classification*¹

IP41 $\frac{\perp}{\perp}$

334 mm cabinet depth

A2

F30

I30

E30

								Door hinge and ventilation				Cable entry					
								Unvent./vent. *2		Vent .w. Fan*3							
Overall height OH	Grid units GU	Panels wide PW	Space units SU	Cabinet depth				R	L	R	L	Above	Below	Both	Type	Ord. No.	External dimensions H/W/D (mm)
				205	334	434	534	0	1	2	3	0	1	2			
4	8	1	96	3				0				0			1/4AF3000	40212	1324 x 374 x 334
4	8	1	96	3					1			0			1/4AF3100	40213	1324 x 374 x 334
4	8	1	96	3				0					1		1/4AF3010	40216	1324 x 374 x 334
4	8	1	96	3					1				1		1/4AF3110	40217	1324 x 374 x 334
4	8	1	96	3				0						2	1/4AF3020	40220	1324 x 374 x 334
4	8	1	96	3					1					2	1/4AF3120	40221	1324 x 374 x 334
4	8	2	192	3				0				0			2/4AF3000	40224	1324 x 624 x 334
4	8	2	192	3					1			0			2/4AF3100	40225	1324 x 624 x 334
4	8	2	192	3						2		0			2/4AF3200	40226	1324 x 624 x 334
4	8	2	192	3							3	0			2/4AF3300	40227	1324 x 624 x 334
4	8	2	192	3				0					1		2/4AF3010	40228	1324 x 624 x 334
4	8	2	192	3					1				1		2/4AF3110	40229	1324 x 624 x 334
4	8	2	192	3						2			1		2/4AF3210	40230	1324 x 624 x 334
4	8	2	192	3							3		1		2/4AF3310	40231	1324 x 624 x 334
4	8	2	192	3				0						2	2/4AF3020	40232	1324 x 624 x 334
4	8	2	192	3					1					2	2/4AF3120	40233	1324 x 624 x 334
4	8	2	192	3						2				2	2/4AF3220	40234	1324 x 624 x 334
4	8	2	192	3							3			2	2/4AF3320	40235	1324 x 624 x 334

*¹ A cable cooling unit is required for E30 to maintain functionality (see page 31)

*² 1 panel wide, unventilated / 2 or more panels wide, ventilated

*³ Ventilated with fan

Fire Protection Cabinets

Surface Mounted Wall Cabinet, 434 mm Depth

Surface mounted wall cabinet, I30/E30 classification*1

IP41 $\frac{\perp}{\perp}$

434 mm cabinet depth

A2

F30

I30

E30

Overall height OH	Grid units GU	Panels wide PW	Space units SU	Cabinet depth				Door hinge and ventilation				Cable entry			Type	Ord. No.	External dimensions H/W/D (mm)	
								Unvent./vent.*2		Vent .w. Fan*3		Above	Below	Both				
				205	334	434	534	R	L	R	L	0	1	2				0
0	4	1	48			4		0					0			1/0AF4000	40236	724 x 374 x 434
0	4	1	48			4			1				0			1/0AF4100	40237	724 x 374 x 434
0	4	1	48			4		0						1		1/0AF4010	40240	724 x 374 x 434
0	4	1	48			4			1					1		1/0AF4110	40241	724 x 374 x 434
0	4	1	48			4		0							2	1/0AF4020	40244	724 x 374 x 434
0	4	1	48			4			1						2	1/0AF4120	40245	724 x 374 x 434
0	4	2	96			4		0					0			2/0AF4000	40248	724 x 624 x 434
0	4	2	96			4			1				0			2/0AF4100	40249	724 x 624 x 434
0	4	2	96			4				2			0			2/0AF4200	40250	724 x 624 x 434
0	4	2	96			4					3		0			2/0AF4300	40251	724 x 624 x 434
0	4	2	96			4		0						1		2/0AF4010	40252	724 x 624 x 434
0	4	2	96			4			1					1		2/0AF4110	40253	724 x 624 x 434
0	4	2	96			4				2				1		2/0AF4210	40254	724 x 624 x 434
0	4	2	96			4					3			1		2/0AF4310	40255	724 x 624 x 434
0	4	2	96			4		0							2	2/0AF4020	40256	724 x 624 x 434
0	4	2	96			4			1						2	2/0AF4120	40257	724 x 624 x 434
0	4	2	96			4				2					2	2/0AF4220	40258	724 x 624 x 434
0	4	2	96			4					3				2	2/0AF4320	40259	724 x 624 x 434
1	5	1	60			4		0					0			1/1AF4000	40260	874 x 374 x 434
1	5	1	60			4			1				0			1/1AF4100	40261	874 x 374 x 434
1	5	1	60			4		0						1		1/1AF4010	40264	874 x 374 x 434
1	5	1	60			4			1					1		1/1AF4110	40265	874 x 374 x 434
1	5	1	60			4		0							2	1/1AF4020	40268	874 x 374 x 434
1	5	1	60			4			1						2	1/1AF4120	40269	874 x 374 x 434
1	5	2	120			4		0					0			2/1AF4000	40272	874 x 624 x 434
1	5	2	120			4			1				0			2/1AF4100	40273	874 x 624 x 434
1	5	2	120			4				2			0			2/1AF4200	40274	874 x 624 x 434
1	5	2	120			4					3		0			2/1AF4300	40275	874 x 624 x 434
1	5	2	120			4		0						1		2/1AF4010	40276	874 x 624 x 434
1	5	2	120			4			1					1		2/1AF4110	40277	874 x 624 x 434
1	5	2	120			4				2				1		2/1AF4210	40278	874 x 624 x 434
1	5	2	120			4					3			1		2/1AF4310	40279	874 x 624 x 434
1	5	2	120			4		0							2	2/1AF4020	40280	874 x 624 x 434
1	5	2	120			4			1						2	2/1AF4120	40281	874 x 624 x 434
1	5	2	120			4				2					2	2/1AF4220	40282	874 x 624 x 434
1	5	2	120			4					3				2	2/1AF4320	40283	874 x 624 x 434

*1 A cable cooling unit is required for E30 to maintain functionality (see page 31)

*2 1 panel wide, unventilated / 2 or more panels wide, ventilated

*3 Ventilated with fan

Fire Protection Cabinets

Surface Mounted Wall Cabinet, 434 mm Depth

Surface mounted wall cabinet, I30/E30 classification*1

IP41 $\frac{\perp}{\perp}$

434 mm cabinet depth

A2

F30

I30

E30

Overall height OH	Grid units GU	Panels wide PW	Space units SU					Door hinge and ventilation				Cable entry			External dimensions H/W/D (mm)			
								Unvent./vent.* ²		Vent .w. Fan* ³		Above	Below	Both				
				2205	334	434	534	R	L	R	L	0	1	2				
2	6	1	72			4		0					0			1/2AF4000	40284	1024 x 374 x 434
2	6	1	72			4			1				0			1/2AF4100	40285	1024 x 374 x 434
2	6	1	72			4		0						1		1/2AF4010	40288	1024 x 374 x 434
2	6	1	72			4			1					1		1/2AF4110	40289	1024 x 374 x 434
2	6	1	72			4		0							2	1/2AF4020	40292	1024 x 374 x 434
2	6	1	72			4			1						2	1/2AF4120	40293	1024 x 374 x 434
2	6	2	144			4		0					0			2/2AF4000	40296	1024 x 624 x 434
2	6	2	144			4			1				0			2/2AF4100	40297	1024 x 624 x 434
2	6	2	144			4					2		0			2/2AF4200	40298	1024 x 624 x 434
2	6	2	144			4						3	0			2/2AF4300	40299	1024 x 624 x 434
2	6	2	144			4		0						1		2/2AF4010	40300	1024 x 624 x 434
2	6	2	144			4			1					1		2/2AF4110	40301	1024 x 624 x 434
2	6	2	144			4					2			1		2/2AF4210	40302	1024 x 624 x 434
2	6	2	144			4						3		1		2/2AF4310	40303	1024 x 624 x 434
2	6	2	144			4		0							2	2/2AF4020	40304	1024 x 624 x 434
2	6	2	144			4			1						2	2/2AF4120	40305	1024 x 624 x 434
2	6	2	144			4					2				2	2/2AF4220	40306	1024 x 624 x 434
2	6	2	144			4						3			2	2/2AF4320	40307	1024 x 624 x 434
2	6	3	216			4		0					0			3/2AF4000	40308	1024 x 874 x 434
2	6	3	216			4			1				0			3/2AF4100	40309	1024 x 874 x 434
2	6	3	216			4					2		0			3/2AF4200	40310	1024 x 874 x 434
2	6	3	216			4						3	0			3/2AF4300	40311	1024 x 874 x 434
2	6	3	216			4		0						1		3/2AF4010	40312	1024 x 874 x 434
2	6	3	216			4			1					1		3/2AF4110	40313	1024 x 874 x 434
2	6	3	216			4					2			1		3/2AF4210	40314	1024 x 874 x 434
2	6	3	216			4						3		1		3/2AF4310	40315	1024 x 874 x 434
2	6	3	216			4		0							2	3/2AF4020	40316	1024 x 874 x 434
2	6	3	216			4			1						2	3/2AF4120	40317	1024 x 874 x 434
2	6	3	216			4					2				2	3/2AF4220	40318	1024 x 874 x 434
2	6	3	216			4						3			2	3/2AF4320	40319	1024 x 874 x 434
4	8	1	96			4		0					0			1/4AF4000	40320	1324 x 374 x 434
4	8	1	96			4			1				0			1/4AF4100	40321	1324 x 374 x 434
4	8	1	96			4		0						1		1/4AF4010	40324	1324 x 374 x 434
4	8	1	96			4			1					1		1/4AF4110	40325	1324 x 374 x 434
4	8	1	96			4		0							2	1/4AF4020	40328	1324 x 374 x 434
4	8	1	96			4			1						2	1/4AF4120	40329	1324 x 374 x 434
4	8	2	192			4		0					0			2/4AF4000	40332	1324 x 624 x 434
4	8	2	192			4			1				0			2/4AF4100	40333	1324 x 624 x 434
4	8	2	192			4					2		0			2/4AF4200	40334	1324 x 624 x 434
4	8	2	192			4						3	0			2/4AF4300	40335	1324 x 624 x 434
4	8	2	192			4		0						1		2/4AF4010	40336	1324 x 624 x 434
4	8	2	192			4			1					1		2/4AF4110	40337	1324 x 624 x 434
4	8	2	192			4					2			1		2/4AF4210	40338	1324 x 624 x 434
4	8	2	192			4						3		1		2/4AF4310	40339	1324 x 624 x 434
4	8	2	192			4		0							2	2/4AF4020	40340	1324 x 624 x 434
4	8	2	192			4			1						2	2/4AF4120	40341	1324 x 624 x 434
4	8	2	192			4					2				2	2/4AF4220	40342	1324 x 624 x 434
4	8	2	192			4						3			2	2/4AF4320	40343	1324 x 624 x 434

*1 A cable cooling unit is required for E30 to maintain functionality (see page 31)

*2 1 panel wide, unventilated / 2 or more panels wide, ventilated

*3 Ventilated with fan

Fire Protection Cabinets

Surface Mounted Wall Cabinet, 338 mm Depth

Surface mounted wall cabinet, I90/E90 classification*1

IP41 $\frac{\perp}{\perp}$

338 mm cabinet depth

A2

F90

I90

E90

Overall height OH	Grid units GU	Panels wide PW	Space units SU					Door hinge and ventilation				Cable entry			Type			Ord. No.	External dimensions H/W/D (mm)
								Unvent./vent.*2		Vent .w. Fan*3		Above	Below	Both					
				R	L	R	L	0	1	0	1	2							
205	338	438	538	0	1	2	3	0	1	2									
000	2	1	24	3				0				0				1/000A3001	40344	428 x 378 x 338	
000	2	1	24	3					1			0				1/000A3101	40345	428 x 378 x 338	
000	2	1	24	3				0					1			1/000A3011	40348	428 x 378 x 338	
000	2	1	24	3					1				1			1/000A3111	40349	428 x 378 x 338	
000	2	1	24	3				0							2	1/000A3021	40352	428 x 378 x 338	
000	2	1	24	3					1						2	1/000A3121	40353	428 x 378 x 338	
00	3	1	36	3				0				0				1/00A3001	40356	578 x 378 x 338	
00	3	1	36	3					1			0				1/00A3101	40357	578 x 378 x 338	
00	3	1	36	3				0					1			1/00A3011	40360	578 x 378 x 338	
00	3	1	36	3					1				1			1/00A3111	40361	578 x 378 x 338	
00	3	1	36	3				0							2	1/00A3021	40364	578 x 378 x 338	
00	3	1	36	3					1						2	1/00A3121	40365	578 x 378 x 338	
00	3	2	72	3				0				0				2/00A3001	40368	578 x 628 x 338	
00	3	2	72	3					1			0				2/00A3101	40369	578 x 628 x 338	
00	3	2	72	3						2		0				2/00A3201	40370	578 x 628 x 338	
00	3	2	72	3							3	0				2/00A3301	40371	578 x 628 x 338	
00	3	2	72	3				0					1			2/00A3011	40372	578 x 628 x 338	
00	3	2	72	3					1				1			2/00A3111	40373	578 x 628 x 338	
00	3	2	72	3						2			1			2/00A3211	40374	578 x 628 x 338	
00	3	2	72	3							3		1			2/00A3311	40375	578 x 628 x 338	
00	3	2	72	3				0							2	2/00A3021	40376	578 x 628 x 338	
00	3	2	72	3					1						2	2/00A3121	40377	578 x 628 x 338	
00	3	2	72	3						2					2	2/00A3221	40378	578 x 628 x 338	
00	3	2	72	3							3				2	2/00A3321	40379	578 x 628 x 338	
0	4	1	48	3				0				0				1/0AF3001	40380	728 x 378 x 338	
0	4	1	48	3					1			0				1/0AF3101	40381	728 x 378 x 338	
0	4	1	48	3				0					1			1/0AF3011	40384	728 x 378 x 338	
0	4	1	48	3					1				1			1/0AF3111	40385	728 x 378 x 338	
0	4	1	48	3				0							2	1/0AF3021	40388	728 x 378 x 338	
0	4	1	48	3					1						2	1/0AF3121	40389	728 x 378 x 338	
0	4	2	96	3				0				0				2/0AF3001	40392	728 x 628 x 338	
0	4	2	96	3					1			0				2/0AF3101	40393	728 x 628 x 338	
0	4	2	96	3						2		0				2/0AF3201	40394	728 x 628 x 338	
0	4	2	96	3							3	0				2/0AF3301	40395	728 x 628 x 338	
0	4	2	96	3				0					1			2/0AF3011	40396	728 x 628 x 338	
0	4	2	96	3					1				1			2/0AF3111	40397	728 x 628 x 338	
0	4	2	96	3						2			1			2/0AF3211	40398	728 x 628 x 338	
0	4	2	96	3							3		1			2/0AF3311	40399	728 x 628 x 338	
0	4	2	96	3				0							2	2/0AF3021	40400	728 x 628 x 338	
0	4	2	96	3					1						2	2/0AF3121	40401	728 x 628 x 338	
0	4	2	96	3						2					2	2/0AF3221	40402	728 x 628 x 338	
0	4	2	96	3							3				2	2/0AF3321	40403	728 x 628 x 338	

*1 A cable cooling unit is required for E30 to maintain functionality (see page 31)

*2 1 panel wide, unventilated / 2 or more panels wide, ventilated

*3 Ventilated with fan

Fire Protection Cabinets

Surface Mounted Wall Cabinet, 338 mm Depth

Surface mounted wall cabinet, I90/E90 classification*¹

IP41 $\frac{\perp}{\perp}$

338 mm cabinet depth

A2

F90

I90

E90

Overall height OH	Grid units GU	Panels wide PW	Space units SU					Door hinge and ventilation				Cable entry			External dimensions H/W/D (mm)		
								Unvent./vent. *2		Vent .w. Fan *3							
				R	L	R	L	Above	Below	Both	Type	Ord. No.					
205	338	438	538	0	1	2	3	0	1	2							
1	5	1	60	3				0				0			1/1AF3001	40404	878 x 378 x 338
1	5	1	60	3					1			0			1/1AF3101	40405	878 x 378 x 338
1	5	1	60	3				0					1		1/1AF3011	40408	878 x 378 x 338
1	5	1	60	3					1				1		1/1AF3111	40409	878 x 378 x 338
1	5	1	60	3				0						2	1/1AF3021	40412	878 x 378 x 338
1	5	1	60	3					1					2	1/1AF3121	40413	878 x 378 x 338
1	5	2	120	3				0				0			2/1AF3001	40416	878 x 628 x 338
1	5	2	120	3					1			0			2/1AF3101	40417	878 x 628 x 338
1	5	2	120	3						2		0			2/1AF3201	40418	878 x 628 x 338
1	5	2	120	3							3	0			2/1AF3301	40419	878 x 628 x 338
1	5	2	120	3				0					1		2/1AF3011	40420	878 x 628 x 338
1	5	2	120	3					1				1		2/1AF3111	40421	878 x 628 x 338
1	5	2	120	3						2			1		2/1AF3211	40422	878 x 628 x 338
1	5	2	120	3							3		1		2/1AF3311	40423	878 x 628 x 338
1	5	2	120	3				0						2	2/1AF3021	40424	878 x 628 x 338
1	5	2	120	3					1					2	2/1AF3121	40425	878 x 628 x 338
1	5	2	120	3						2				2	2/1AF3221	40426	878 x 628 x 338
1	5	2	120	3							3			2	2/1AF3321	40427	878 x 628 x 338
2	6	1	72	3				0				0			1/2AF3001	40428	1028 x 378 x 338
2	6	1	72	3					1			0			1/2AF3101	40429	1028 x 378 x 338
2	6	1	72	3				0					1		1/2AF3011	40432	1028 x 378 x 338
2	6	1	72	3					1				1		1/2AF3111	40433	1028 x 378 x 338
2	6	1	72	3				0						2	1/2AF3021	40436	1028 x 378 x 338
2	6	1	72	3					1					2	1/2AF3121	40437	1028 x 378 x 338
2	6	2	144	3				0				0			2/2AF3001	40440	1028 x 628 x 338
2	6	2	144	3					1			0			2/2AF3101	40441	1028 x 628 x 338
2	6	2	144	3						2		0			2/2AF3201	40442	1028 x 628 x 338
2	6	2	144	3							3	0			2/2AF3301	40443	1028 x 628 x 338
2	6	2	144	3				0					1		2/2AF3011	40444	1028 x 628 x 338
2	6	2	144	3					1				1		2/2AF3111	40445	1028 x 628 x 338
2	6	2	144	3						2			1		2/2AF3211	40446	1028 x 628 x 338
2	6	2	144	3							3		1		2/2AF3311	40447	1028 x 628 x 338
2	6	2	144	3				0						2	2/2AF3021	40448	1028 x 628 x 338
2	6	2	144	3					1					2	2/2AF3121	40449	1028 x 628 x 338
2	6	2	144	3						2				2	2/2AF3221	40450	1028 x 628 x 338
2	6	2	144	3							3			2	2/2AF3321	40451	1028 x 628 x 338
2	6	3	216	3				0				0			3/2AF3001	40452	1028 x 878 x 338
2	6	3	216	3					1			0			3/2AF3101	40453	1028 x 878 x 338
2	6	3	216	3						2		0			3/2AF3201	40454	1028 x 878 x 338
2	6	3	216	3							3	0			3/2AF3301	40455	1028 x 878 x 338
2	6	3	216	3				0					1		3/2AF3011	40456	1028 x 878 x 338
2	6	3	216	3					1				1		3/2AF3111	40457	1028 x 878 x 338
2	6	3	216	3						2			1		3/2AF3211	40458	1028 x 878 x 338
2	6	3	216	3							3		1		3/2AF3311	40459	1028 x 878 x 338
2	6	3	216	3				0						2	3/2AF3021	40460	1028 x 878 x 338
2	6	3	216	3					1					2	3/2AF3121	40461	1028 x 878 x 338
2	6	3	216	3						2				2	3/2AF3221	40462	1028 x 878 x 338
2	6	3	216	3							3			2	3/2AF3321	40463	1028 x 878 x 338

*¹ A cable cooling unit is required for E30 to maintain functionality (see page 31)

*² 1 panel wide, unventilated / 2 or more panels wide, ventilated

*³ Ventilated with fan

Fire Protection Cabinets

Surface Mounted Wall Cabinet, 338 mm Depth

Surface mounted wall cabinet, I90/E90 classification*¹

IP41 $\frac{\perp}{\perp}$

338 mm cabinet depth

A2

F90

I90

E90

Overall height OH	Grid units GU	Panels wide PW	Space units SU					Door hinge and ventilation				Cable entry			External dimensions H/W/D (mm)		
								Unvent./vent.* ²		Vent .w. Fan* ³							
				R	L	R	L	Above	Below	Both	Type	Ord. No.					
205	338	438	538	0	1	2	3	0	1	2							
4	8	1	96	3				0				0			1/4AF3001	40464	1328 x 378 x 338
4	8	1	96	3					1			0			1/4AF3101	40465	1328 x 378 x 338
4	8	1	96	3				0					1		1/4AF3011	40468	1328 x 378 x 338
4	8	1	96	3					1				1		1/4AF3111	40469	1328 x 378 x 338
4	8	1	96	3				0						2	1/4AF3021	40472	1328 x 378 x 338
4	8	1	96	3					1					2	1/4AF3121	40473	1328 x 378 x 338
4	8	2	192	3				0				0			2/4AF3001	40476	1328 x 628 x 338
4	8	2	192	3					1			0			2/4AF3101	40477	1328 x 628 x 338
4	8	2	192	3						2		0			2/4AF3201	40478	1328 x 628 x 338
4	8	2	192	3							3	0			2/4AF3301	40479	1328 x 628 x 338
4	8	2	192	3				0					1		2/4AF3011	40480	1328 x 628 x 338
4	8	2	192	3					1				1		2/4AF3111	40481	1328 x 628 x 338
4	8	2	192	3						2			1		2/4AF3211	40482	1328 x 628 x 338
4	8	2	192	3							3		1		2/4AF3311	40483	1328 x 628 x 338
4	8	2	192	3				0						2	2/4AF3021	40484	1328 x 628 x 338
4	8	2	192	3					1					2	2/4AF3121	40485	1328 x 628 x 338
4	8	2	192	3						2				2	2/4AF3221	40486	1328 x 628 x 338
4	8	2	192	3							3			2	2/4AF3321	40487	1328 x 628 x 338

*¹ A cable cooling unit is required for E30 to maintain functionality (see page 31)

*² 1 panel wide, unventilated / 2 or more panels wide, ventilated

*³ Ventilated with fan

Fire Protection Cabinets

Surface Mounted Wall Cabinet, 438 mm Depth

Surface mounted wall cabinet, I90/E90 classification*¹

IP41 $\perp$

438 mm cabinet depth

A2

F90

I90

E90

Overall height OH	Grid units GU	Panels wide PW	Space units SU	Cabinet depth				Door hinge and ventilation				Cable entry			Type	Ord. No.	External dimensions H/W/D (mm)
				205	338	438	538	Unvent./vent.* ²		Vent .w. Fan* ³		Above	Below	Both			
								R	L	R	L	0	1	2			
0	4	1	48			4		0				0			1/0AF4001	40488	728 x 378 x 438
0	4	1	48			4			1			0			1/0AF4101	40489	728 x 378 x 438
0	4	1	48			4		0					1		1/0AF4011	40492	728 x 378 x 438
0	4	1	48			4			1				1		1/0AF4111	40493	728 x 378 x 438
0	4	1	48			4		0						2	1/0AF4021	40496	728 x 378 x 438
0	4	1	48			4			1					2	1/0AF4121	40497	728 x 378 x 438
0	4	2	96			4		0				0			2/0AF4001	40500	728 x 628 x 438
0	4	2	96			4			1			0			2/0AF4101	40501	728 x 628 x 438
0	4	2	96			4				2		0			2/0AF4201	40502	728 x 628 x 438
0	4	2	96			4					3	0			2/0AF4301	40503	728 x 628 x 438
0	4	2	96			4		0					1		2/0AF4011	40504	728 x 628 x 438
0	4	2	96			4			1				1		2/0AF4111	40505	728 x 628 x 438
0	4	2	96			4				2			1		2/0AF4211	40506	728 x 628 x 438
0	4	2	96			4					3		1		2/0AF4311	40507	728 x 628 x 438
0	4	2	96			4		0						2	2/0AF4021	40508	728 x 628 x 438
0	4	2	96			4			1					2	2/0AF4121	40509	728 x 628 x 438
0	4	2	96			4				2				2	2/0AF4221	40510	728 x 628 x 438
0	4	2	96			4					3			2	2/0AF4321	40511	728 x 628 x 438
1	5	1	60			4		0				0			1/1AF4001	40512	878 x 378 x 438
1	5	1	60			4			1			0			1/1AF4101	40513	878 x 378 x 438
1	5	1	60			4		0					1		1/1AF4011	40516	878 x 378 x 438
1	5	1	60			4			1				1		1/1AF4111	40517	878 x 378 x 438
1	5	1	60			4		0						2	1/1AF4021	40520	878 x 378 x 438
1	5	1	60			4			1					2	1/1AF4121	40521	878 x 378 x 438
1	5	2	120			4		0				0			2/1AF4001	40524	878 x 628 x 438
1	5	2	120			4			1			0			2/1AF4101	40525	878 x 628 x 438
1	5	2	120			4				2		0			2/1AF4201	40526	878 x 628 x 438
1	5	2	120			4					3	0			2/1AF4301	40527	878 x 628 x 438
1	5	2	120			4		0					1		2/1AF4011	40528	878 x 628 x 438
1	5	2	120			4			1				1		2/1AF4111	40529	878 x 628 x 438
1	5	2	120			4				2			1		2/1AF4211	40530	878 x 628 x 438
1	5	2	120			4					3		1		2/1AF4311	40531	878 x 628 x 438
1	5	2	120			4		0						2	2/1AF4021	40532	878 x 628 x 438
1	5	2	120			4			1					2	2/1AF4121	40533	878 x 628 x 438
1	5	2	120			4				2				2	2/1AF4221	40534	878 x 628 x 438
1	5	2	120			4					3			2	2/1AF4321	40535	878 x 628 x 438

*¹ A cable cooling unit is required for E30 to maintain functionality (see page 31)

*² 1 panel wide, unventilated / 2 or more panels wide, ventilated

*³ Ventilated with fan

Fire Protection Cabinets

Surface Mounted Wall Cabinet, 438 mm Depth

Surface mounted wall cabinet, I90/E90 classification*1

IP41 $\frac{\perp}{\perp}$

438 mm cabinet depth

A2

F90

I90

E90

Overall height OH	Grid units GU	Panels wide PW	Space units SU	Cabinet depth				Door hinge and ventilation				Cable entry			Type Ord. No. External dimensions H/W/D (mm)		
								Unvent./vent.*2		Vent .w. Fan*3							
				R	L	R	L	Above	Below	Both							
205	338	438	532	0	1	2	3	0	1	2							
2	6	1	72			4		0				0			1/2AF4001	40536	1028 x 378 x 438
2	6	1	72			4			1			0			1/2AF4101	40537	1028 x 378 x 438
2	6	1	72			4		0					1		1/2AF4011	40540	1028 x 378 x 438
2	6	1	72			4			1				1		1/2AF4111	40541	1028 x 378 x 438
2	6	1	72			4		0							1/2AF4021	40544	1028 x 378 x 438
2	6	1	72			4			1						1/2AF4121	40545	1028 x 378 x 438
2	6	2	144			4		0				0			2/2AF4001	40548	1028 x 628 x 438
2	6	2	144			4			1			0			2/2AF4101	40549	1028 x 628 x 438
2	6	2	144			4				2		0			2/2AF4201	40550	1028 x 628 x 438
2	6	2	144			4					3	0			2/2AF4301	40551	1028 x 628 x 438
2	6	2	144			4		0					1		2/2AF4011	40552	1028 x 628 x 438
2	6	2	144			4			1				1		2/2AF4111	40553	1028 x 628 x 438
2	6	2	144			4				2			1		2/2AF4211	40554	1028 x 628 x 438
2	6	2	144			4					3		1		2/2AF4311	40555	1028 x 628 x 438
2	6	2	144			4		0						2	2/2AF4021	40556	1028 x 628 x 438
2	6	2	144			4			1					2	2/2AF4121	40557	1028 x 628 x 438
2	6	2	144			4				2				2	2/2AF4221	40558	1028 x 628 x 438
2	6	2	144			4					3			2	2/2AF4321	40559	1028 x 628 x 438
2	6	3	216			4		0				0			3/2AF4001	40560	1028 x 878 x 438
2	6	3	216			4			1			0			3/2AF4101	40561	1028 x 878 x 438
2	6	3	216			4				2		0			3/2AF4201	40562	1028 x 878 x 438
2	6	3	216			4					3	0			3/2AF4301	40563	1028 x 878 x 438
2	6	3	216			4		0					1		3/2AF4011	40564	1028 x 878 x 438
2	6	3	216			4			1				1		3/2AF4111	40565	1028 x 878 x 438
2	6	3	216			4				2			1		3/2AF4211	40566	1028 x 878 x 438
2	6	3	216			4					3		1		3/2AF4311	40567	1028 x 878 x 438
2	6	3	216			4		0						2	3/2AF4021	40568	1028 x 878 x 438
2	6	3	216			4			1					2	3/2AF4121	40569	1028 x 878 x 438
2	6	3	216			4				2				2	3/2AF4221	40570	1028 x 878 x 438
2	6	3	216			4					3			2	3/2AF4321	40571	1028 x 878 x 438
4	8	1	96			4		0				0			1/4AF4001	40572	1328 x 378 x 438
4	8	1	96			4			1			0			1/4AF4101	40573	1328 x 378 x 438
4	8	1	96			4		0					1		1/4AF4011	40576	1328 x 378 x 438
4	8	1	96			4			1				1		1/4AF4111	40577	1328 x 378 x 438
4	8	1	96			4		0						2	1/4AF4021	40580	1328 x 378 x 438
4	8	1	96			4			1					2	1/4AF4121	40581	1328 x 378 x 438
4	8	2	192			4		0				0			2/4AF4001	40584	1328 x 628 x 438
4	8	2	192			4			1			0			2/4AF4101	40585	1328 x 628 x 438
4	8	2	192			4				2		0			2/4AF4201	40586	1328 x 628 x 438
4	8	2	192			4					3	0			2/4AF4301	40587	1328 x 628 x 438
4	8	2	192			4		0					1		2/4AF4011	40588	1328 x 628 x 438
4	8	2	192			4			1				1		2/4AF4111	40589	1328 x 628 x 438
4	8	2	192			4				2			1		2/4AF4211	40590	1328 x 628 x 438
4	8	2	192			4					3		1		2/4AF4311	40591	1328 x 628 x 438
4	8	2	192			4		0						2	2/4AF4021	40592	1328 x 628 x 438
4	8	2	192			4			1					2	2/4AF4121	40593	1328 x 628 x 438
4	8	2	192			4				2				2	2/4AF4221	40594	1328 x 628 x 438
4	8	2	192			4					3			2	2/4AF4321	40595	1328 x 628 x 438

*1 A cable cooling unit is required for E30 to maintain functionality (see page 31)

*2 1 panel wide, unventilated / 2 or more panels wide, ventilated

*3 Ventilated with fan

Fire Protection Cabinets

Surface Mounted Wall Cabinet Accessories

Plinths for surface mounted wall cabinet, type AF

Plinth height: 100 mm

Plinth 1 panel wide, depth 3
Plinth 2 panels wide, depth 3
Plinth 3 panels wide, depth 3
Plinth 1 panel wide, depth 4
Plinth 2 panels wide, depth 4
Plinth 3 panels wide, depth 4

Type	Ord. No.
1SOAF3	40596
2SOAF3	40597
3SOAF3	40598
1SOAF4	40599
2SOAF4	40600
3SOAF4	40601

Cable cooling unit for surface mounted wall cabinet, type AF

Cable cooling unit height: 500 mm

Cable cooling unit, 1 panel wide
Cable cooling unit, 2 panels wide
Cable cooling unit, 3 panels wide

1KAF	40602
2KAF	40603
3KAF	40604

IP54 expansion set



IP54 expansion set, 1 panel wide
1 x ø 63 mm; 5 x ø 32 mm

1AF54	40605
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IP54 expansion set, 2 panels wide
2 x ø 63 mm; 13 x ø 32 mm

2AF54	40606
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IP54 expansion set, 3 panels wide
2 x ø 63 mm; 23 x ø 32 mm

3AF54	40607
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General accessories

Ventilation apertures with smoke detector

IRM	41087
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Fire Protection Cabinets

Floor Standing Cabinet



Floor standing cabinet SF

IP41 $\equiv$

Cabinet depth with I30/E30 classification 334 mm and 434 mm

Cabinet depth with I90/E90 classification 338 mm and 438 mm

A2

F30

I30

E30

F90

I90

E90

Cabinet for floor mounting

Function

- Material with A2 surface coating – fireproof, tested in accordance with DIN 4102 Part 1
- Fire resistance F30/F90, tested in accordance with DIN 4102 Part 2
- Check fire load I30/I90 in accordance with DIN 4102 Part 11
- Maintain functionality E30/E90 in accordance with DIN 4102 Part 12
- IP41 degree of protection $\equiv$
- Impervious to smoke

Construction features

- Floor mounting
- Changeable door hinge
- Removable stainless steel hinges make door detachable (reduction in weight)
- Can be locked using door closure rod
- Cable bulkhead for inserting cable bundles
- Internal door
- 180° door opening angle
- Integrated system for accommodating TNF modular system panels and distribution panels

Surface

- Light grey coating, similar to RAL7035, edges with contrasting colours
- High chemical resistance
- High mechanical stability and resistance

Additional features/options

- Cable cooling unit_KSF_
- Ventilation and smoke detector – IRM
- Ventilation
- IP54 kit_SF54
- SOSF_plinth
- Various surface designs

Fire Protection Cabinets

Floor Standing Cabinet, 334 mm Depth

Floor standing cabinet, I30/E30 classification *1

IP41 $\frac{\perp}{\perp}$

334 mm cabinet depth

A2

F30

I30

E30

Overall height OH	Grid units GU	Panels wide PW	Space units SU					Door hinge and ventilation				Cable entry			External dimensions H/W/D (mm)		
								Unvent./vent.*2		Vent .w. Fan*3							
				Cabinet depth				R	L	R	L	Above	Below	Both	Type	Ord. No.	
205	334	434	534	0	1	2	3	0	1	2							
8	12	1	144	3				0				0			1/8SF3000	40608	1924 x 374 x 334
8	12	1	144	3					1			0			1/8SF3100	40609	1924 x 374 x 334
8	12	1	144	3				0		1			1		1/8SF3010	40612	1924 x 374 x 334
8	12	1	144	3					1				1		1/8SF3110	40613	1924 x 374 x 334
8	12	1	144	3				0						2	1/8SF3020	40616	1924 x 374 x 334
8	12	1	144	3					1					2	1/8SF3120	40617	1924 x 374 x 334
8	12	2	288	3				0				0			2/8SF3000	40620	1924 x 624 x 334
8	12	2	288	3					1			0			2/8SF3100	40621	1924 x 624 x 334
8	12	2	288	3						2		0			2/8SF3200	40622	1924 x 624 x 334
8	12	2	288	3							3	0			2/8SF3300	40623	1924 x 624 x 334
8	12	2	288	3				0					1		2/8SF3010	40624	1924 x 624 x 334
8	12	2	288	3					1				1		2/8SF3110	40625	1924 x 624 x 334
8	12	2	288	3						2			1		2/8SF3210	40626	1924 x 624 x 334
8	12	2	288	3							3		1		2/8SF3310	40627	1924 x 624 x 334
8	12	2	288	3				0						2	2/8SF3020	40628	1924 x 624 x 334
8	12	2	288	3					1					2	2/8SF3120	40629	1924 x 624 x 334
8	12	2	288	3						2				2	2/8SF3220	40630	1924 x 624 x 334
8	12	2	288	3							3			2	2/8SF3320	40631	1924 x 624 x 334
8	12	3	432	3				0				0			3/8SF3000	40632	1924 x 874 x 334
8	12	3	432	3					1			0			3/8SF3100	40633	1924 x 874 x 334
8	12	3	432	3						2		0			3/8SF3200	40634	1924 x 874 x 334
8	12	3	432	3							3	0			3/8SF3300	40635	1924 x 874 x 334
8	12	3	432	3				0					1		3/8SF3010	40636	1924 x 874 x 334
8	12	3	432	3					1				1		3/8SF3110	40637	1924 x 874 x 334
8	12	3	432	3						2			1		3/8SF3210	40638	1924 x 874 x 334
8	12	3	432	3							3		1		3/8SF3310	40639	1924 x 874 x 334
8	12	3	432	3				0						2	3/8SF3020	40640	1924 x 874 x 334
8	12	3	432	3					1					2	3/8SF3120	40641	1924 x 874 x 334
8	12	3	432	3						2				2	3/8SF3220	40642	1924 x 874 x 334
8	12	3	432	3							3			2	3/8SF3330	40643	1924 x 874 x 334
8	12	4	576	3				0				0			4/8SF3000	40644	1924 x 1124 x 334
8	12	4	576	3					1			0			4/8SF3100	40645	1924 x 1124 x 334
8	12	4	576	3						2		0			4/8SF3200	40646	1924 x 1124 x 334
8	12	4	576	3							3	0			4/8SF3300	40647	1924 x 1124 x 334
8	12	4	576	3				0					1		4/8SF3010	40648	1924 x 1124 x 334
8	12	4	576	3					1				1		4/8SF3110	40649	1924 x 1124 x 334
8	12	4	576	3						2			1		4/8SF3210	40650	1924 x 1124 x 334
8	12	4	576	3							3		1		4/8SF3310	40651	1924 x 1124 x 334
8	12	4	576	3				0						2	4/8SF3020	40652	1924 x 1124 x 334
8	12	4	576	3					1					2	4/8SF3120	40653	1924 x 1124 x 334
8	12	4	576	3						2				2	4/8SF3220	40654	1924 x 1124 x 334
8	12	4	576	3							3			2	4/8SF3320	40655	1924 x 1124 x 334

*1 A cable cooling unit is required for E30 to maintain functionality (see page 39)

*2 1 panel wide, unventilated / 2 or more panels wide, ventilated

*3 Ventilated with fan

Fire Protection Cabinets

Floor Standing Cabinet, 434 mm Depth

Floor standing cabinet, I30/E30 classification *1

IP41 $\frac{\perp}{\perp}$

434 mm cabinet depth

A2

F30

I30

E30

Overall height OH	Grid units GU	Panels wide PW	Space units SU					Door hinge and ventilation				Cable entry			External dimensions H/W/D (mm)		
								Unvent./vent.*2		Vent .w. Fan*3							
				Cabinet depth				R	L	R	L	Above	Below	Both			
205	334	434	534	0	1	2	3	0	1	2							
8	12	1	144			4		0				0			1/8SF4000	40656	1924 x 374 x 434
8	12	1	144			4			1			0			1/8SF4100	40657	1924 x 374 x 434
8	12	1	144			4		0					1		1/8SF4010	40660	1924 x 374 x 434
8	12	1	144			4			1				1		1/8SF4110	40661	1924 x 374 x 434
8	12	1	144			4		0							1/8SF4020	40664	1924 x 374 x 434
8	12	1	144			4			1						1/8SF4120	40665	1924 x 374 x 434
8	12	2	288			4		0				0			2/8SF4000	40668	1924 x 624 x 434
8	12	2	288			4			1			0			2/8SF4100	40669	1924 x 624 x 434
8	12	2	288			4				2		0			2/8SF4200	40670	1924 x 624 x 434
8	12	2	288			4					3	0			2/8SF4300	40671	1924 x 624 x 434
8	12	2	288			4		0					1		2/8SF4010	40672	1924 x 624 x 434
8	12	2	288			4			1				1		2/8SF4110	40673	1924 x 624 x 434
8	12	2	288			4				2			1		2/8SF4210	40674	1924 x 624 x 434
8	12	2	288			4					3		1		2/8SF4310	40675	1924 x 624 x 434
8	12	2	288			4		0							2/8SF4020	40676	1924 x 624 x 434
8	12	2	288			4			1						2/8SF4120	40677	1924 x 624 x 434
8	12	2	288			4				2					2/8SF4220	40678	1924 x 624 x 434
8	12	2	288			4					3				2/8SF4320	40679	1924 x 624 x 434
8	12	3	432			4		0				0			3/8SF4000	40680	1924 x 874 x 434
8	12	3	432			4			1			0			3/8SF4100	40681	1924 x 874 x 434
8	12	3	432			4				2		0			3/8SF4200	40682	1924 x 874 x 434
8	12	3	432			4					3	0			3/8SF4300	40683	1924 x 874 x 434
8	12	3	432			4		0					1		3/8SF4010	40684	1924 x 874 x 434
8	12	3	432			4			1				1		3/8SF4110	40685	1924 x 874 x 434
8	12	3	432			4				2			1		3/8SF4210	40686	1924 x 874 x 434
8	12	3	432			4					3		1		3/8SF4310	40687	1924 x 874 x 434
8	12	3	432			4		0							3/8SF4020	40688	1924 x 874 x 434
8	12	3	432			4			1						3/8SF4120	40689	1924 x 874 x 434
8	12	3	432			4				2					3/8SF4220	40690	1924 x 874 x 434
8	12	3	432			4					3				3/8SF4320	40691	1924 x 874 x 434
8	12	4	576			4		0				0			4/8SF4000	40692	1924 x 1124 x 434
8	12	4	576			4			1			0			4/8SF4100	40693	1924 x 1124 x 434
8	12	4	576			4				2		0			4/8SF4200	40694	1924 x 1124 x 434
8	12	4	576			4					3	0			4/8SF4300	40695	1924 x 1124 x 434
8	12	4	576			4		0					1		4/8SF4010	40696	1924 x 1124 x 434
8	12	4	576			4			1				1		4/8SF4110	40697	1924 x 1124 x 434
8	12	4	576			4				2			1		4/8SF4210	40698	1924 x 1124 x 434
8	12	4	576			4					3		1		4/8SF4310	40699	1924 x 1124 x 434
8	12	4	576			4		0							4/8SF4020	40700	1924 x 1124 x 434
8	12	4	576			4			1						4/8SF4120	40701	1924 x 1124 x 434
8	12	4	576			4				2					4/8SF4220	40702	1924 x 1124 x 434
8	12	4	576			4					3				4/8SF4320	40703	1924 x 1124 x 434

*1 A cable cooling unit is required for E30 to maintain functionality (see page 39)

*2 1 panel wide, unventilated / 2 or more panels wide, ventilated

*3 Ventilated with fan

Fire Protection Cabinets

Floor Standing Cabinet, 534 mm Depth

Floor standing cabinet, I30/E30 classification *1

IP41 $\frac{\perp}{\perp}$

534 mm cabinet depth

A2

F30

I30

E30

Overall height OH	Grid units GU	Panels wide PW	Space units SU					Door hinge and ventilation				Cable entry			Type Ord. No. External dimensions H/W/D (mm)			
								Unvent./vent.*2		Vent. w. Fan*3								
				R	L	R	L	Above	Below	Both								
205	334	434	534	0	1	2	3	0	1	2								
8	12	1	144					5	0				0			1/8SF5000	40704	1924 x 374 x 534
8	12	1	144					5		1			0			1/8SF5100	40705	1924 x 374 x 534
8	12	1	144					5	0					1		1/8SF5010	40708	1924 x 374 x 534
8	12	1	144					5		1				1		1/8SF5110	40709	1924 x 374 x 534
8	12	1	144					5	0						2	1/8SF5020	40712	1924 x 374 x 534
8	12	1	144					5		1					2	1/8SF5120	40713	1924 x 374 x 534
8	12	2	288					5	0				0			2/8SF5000	40716	1924 x 624 x 534
8	12	2	288					5		1			0			2/8SF5100	40717	1924 x 624 x 534
8	12	2	288					5			2		0			2/8SF5200	40718	1924 x 624 x 534
8	12	2	288					5				3	0			2/8SF5300	40719	1924 x 624 x 534
8	12	2	288					5	0					1		2/8SF5010	40720	1924 x 624 x 534
8	12	2	288					5		1				1		2/8SF5110	40721	1924 x 624 x 534
8	12	2	288					5			2			1		2/8SF5210	40722	1924 x 624 x 534
8	12	2	288					5				3		1		2/8SF5310	40723	1924 x 624 x 534
8	12	2	288					5	0						2	2/8SF5020	40724	1924 x 624 x 534
8	12	2	288					5		1					2	2/8SF5120	40725	1924 x 624 x 534
8	12	2	288					5			2				2	2/8SF5220	40726	1924 x 624 x 534
8	12	2	288					5				3			2	2/8SF5320	40727	1924 x 624 x 534
8	12	3	432					5	0				0			3/8SF5000	40728	1924 x 874 x 534
8	12	3	432					5		1			0			3/8SF5100	40729	1924 x 874 x 534
8	12	3	432					5			2		0			3/8SF5200	40730	1924 x 874 x 534
8	12	3	432					5				3	0			3/8SF5300	40731	1924 x 874 x 534
8	12	3	432					5	0					1		3/8SF5010	40732	1924 x 874 x 534
8	12	3	432					5		1				1		3/8SF5110	40733	1924 x 874 x 534
8	12	3	432					5			2			1		3/8SF5210	40734	1924 x 874 x 534
8	12	3	432					5				3		1		3/8SF5310	40735	1924 x 874 x 534
8	12	3	432					5	0						2	3/8SF5020	40736	1924 x 874 x 534
8	12	3	432					5		1					2	3/8SF5120	40737	1924 x 874 x 534
8	12	3	432					5			2				2	3/8SF5220	40738	1924 x 874 x 534
8	12	3	432					5				3			2	3/8SF5320	40739	1924 x 874 x 534
8	12	4	576					5	0				0			4/8SF5000	40740	1924 x 1124 x 534
8	12	4	576					5		1			0			4/8SF5100	40741	1924 x 1124 x 534
8	12	4	576					5			2		0			4/8SF5200	40742	1924 x 1124 x 534
8	12	4	576					5				3	0			4/8SF5300	40743	1924 x 1124 x 534
8	12	4	576					5	0					1		4/8SF5010	40744	1924 x 1124 x 534
8	12	4	576					5		1				1		4/8SF5110	40745	1924 x 1124 x 534
8	12	4	576					5			2			1		4/8SF5210	40746	1924 x 1124 x 534
8	12	4	576					5				3		1		4/8SF5310	40747	1924 x 1124 x 534
8	12	4	576					5	0						2	4/8SF5020	40748	1924 x 1124 x 534
8	12	4	576					5		1					2	4/8SF5120	40749	1924 x 1124 x 534
8	12	4	576					5			2				2	4/8SF5220	40750	1924 x 1124 x 534
8	12	4	576					5				3			2	4/8SF5330	40751	1924 x 1124 x 534

*1 A cable cooling unit is required for E30 to maintain functionality (see page 39)

*2 1 panel wide, unventilated / 2 or more panels wide, ventilated

*3 Ventilated with fan

Fire Protection Cabinets

Floor Standing Cabinet, 338 mm Depth

Floor standing cabinet, I90/E90 classification *1

IP41 $\frac{\perp}{\perp}$

338 mm cabinet depth

A2

F90

I90

E90

								Door hinge and ventilation				Cable entry						External dimensions H/W/D (mm)		
								Unvent./vent.*2		Vent .w. Fan*3										
Overall height OH	Grid units GU	Panels wide PW	Space units SU	Cabinet depth				R	L	R	L	Above	Below	Both	Type	Ord. No.				
				205	338	438	538	0	1	2	3	0	1	2						
8	12	1	144		3			0				0			1/8SF3001	40752	1928 x 378 x 338			
8	12	1	144		3				1			0			1/8SF3101	40753	1928 x 378 x 338			
8	12	1	144		3			0					1		1/8SF3011	40756	1928 x 378 x 338			
8	12	1	144		3				1				1		1/8SF3111	40757	1928 x 378 x 338			
8	12	1	144		3			0						2	1/8SF3021	40760	1928 x 378 x 338			
8	12	1	144		3				1					2	1/8SF3121	40761	1928 x 378 x 338			
8	12	2	288		3			0				0			2/8SF3001	40764	1928 x 628 x 338			
8	12	2	288		3				1			0			2/8SF3101	40765	1928 x 628 x 338			
8	12	2	288		3					2		0			2/8SF3201	40766	1928 x 628 x 338			
8	12	2	288		3						3	0			2/8SF3301	40767	1928 x 628 x 338			
8	12	2	288		3			0					1		2/8SF3011	40768	1928 x 628 x 338			
8	12	2	288		3				1				1		2/8SF3111	40769	1928 x 628 x 338			
8	12	2	288		3					2			1		2/8SF3211	40770	1928 x 628 x 338			
8	12	2	288		3						3		1		2/8SF3311	40771	1928 x 628 x 338			
8	12	2	288		3			0						2	2/8SF3021	40772	1928 x 628 x 338			
8	12	2	288		3				1					2	2/8SF3121	40773	1928 x 628 x 338			
8	12	2	288		3					2				2	2/8SF3221	40774	1928 x 628 x 338			
8	12	2	288		3						3			2	2/8SF3321	40775	1928 x 628 x 338			
8	12	3	432		3			0				0			3/8SF3001	40776	1928 x 878 x 338			
8	12	3	432		3				1			0			3/8SF3101	40777	1928 x 878 x 338			
8	12	3	432		3					2		0			3/8SF3201	40778	1928 x 878 x 338			
8	12	3	432		3						3	0			3/8SF3301	40779	1928 x 878 x 338			
8	12	3	432		3			0					1		3/8SF3011	40780	1928 x 878 x 338			
8	12	3	432		3				1				1		3/8SF3111	40781	1928 x 878 x 338			
8	12	3	432		3					2			1		3/8SF3211	40782	1928 x 878 x 338			
8	12	3	432		3						3		1		3/8SF3311	40783	1928 x 878 x 338			
8	12	3	432		3			0						2	3/8SF3021	40784	1928 x 878 x 338			
8	12	3	432		3				1					2	3/8SF3121	40785	1928 x 878 x 338			
8	12	3	432		3					2				2	3/8SF3221	40786	1928 x 878 x 338			
8	12	3	432		3						3			2	3/8SF3321	40787	1928 x 878 x 338			
8	12	4	576		3			0				0			4/8SF3001	40788	1928 x 1128 x 338			
8	12	4	576		3				1			0			4/8SF3101	40789	1928 x 1128 x 338			
8	12	4	576		3					2		0			4/8SF3201	40790	1928 x 1128 x 338			
8	12	4	576		3						3	0			4/8SF3301	40791	1928 x 1128 x 338			
8	12	4	576		3			0					1		4/8SF3011	40792	1928 x 1128 x 338			
8	12	4	576		3				1				1		4/8SF3111	40793	1928 x 1128 x 338			
8	12	4	576		3					2			1		4/8SF3211	40794	1928 x 1128 x 338			
8	12	4	576		3						3		1		4/8SF3311	40795	1928 x 1128 x 338			
8	12	4	576		3			0						2	4/8SF3021	40796	1928 x 1128 x 338			
8	12	4	576		3				1					2	4/8SF3121	40797	1928 x 1128 x 338			
8	12	4	576		3					2				2	4/8SF3221	40798	1928 x 1128 x 338			
8	12	4	576		3						3			2	4/8SF3321	40799	1928 x 1128 x 338			

*1 A cable cooling unit is required for E30 to maintain functionality (see page 39)

*2 1 panel wide, unventilated / 2 or more panels wide, ventilated

*3 Ventilated with fan

Fire Protection Cabinets

Floor Standing Cabinet, 438 mm Depth

Floor standing cabinet, I90/E90 classification *1

IP41 $\frac{\perp}{=}$

438 mm cabinet depth

A2

F90

I90

E90

Overall height OH	Grid units GU	Panels wide PW	Space units SU	Cabinet depth				Door hinge and ventilation				Cable entry			Type Ord. No. External dimensions H/W/D (mm)				
								Unvent./vent.*2		Vent .w. Fan*3		Above	Below	Both					
				205	338	438	538	R	L	R	L	0	1	2					
8	12	1	144			4		0					0				1/8SF4001	40800	1928 x 378 x 438
8	12	1	144			4			1				0				1/8SF4101	40801	1928 x 378 x 438
8	12	1	144			4		0						1			1/8SF4011	40804	1928 x 378 x 438
8	12	1	144			4			1					1			1/8SF4111	40805	1928 x 378 x 438
8	12	1	144			4		0								2	1/8SF4021	40808	1928 x 378 x 438
8	12	1	144			4			1							2	1/8SF4121	40809	1928 x 378 x 438
8	12	2	288			4		0					0				2/8SF4001	40812	1928 x 628 x 438
8	12	2	288			4			1				0				2/8SF4101	40813	1928 x 628 x 438
8	12	2	288			4					2		0				2/8SF4201	40814	1928 x 628 x 438
8	12	2	288			4						3	0				2/8SF4301	40815	1928 x 628 x 438
8	12	2	288			4		0						1			2/8SF4011	40816	1928 x 628 x 438
8	12	2	288			4			1					1			2/8SF4111	40817	1928 x 628 x 438
8	12	2	288			4					2			1			2/8SF4211	40818	1928 x 628 x 438
8	12	2	288			4						3		1			2/8SF4311	40819	1928 x 628 x 438
8	12	2	288			4		0								2	2/8SF4021	40820	1928 x 628 x 438
8	12	2	288			4			1							2	2/8SF4121	40821	1928 x 628 x 438
8	12	2	288			4					2					2	2/8SF4221	40822	1928 x 628 x 438
8	12	2	288			4						3				2	2/8SF4321	40823	1928 x 628 x 438
8	12	3	432			4		0					0				3/8SF4001	40824	1924 x 878 x 438
8	12	3	432			4			1				0				3/8SF4101	40825	1924 x 878 x 438
8	12	3	432			4					2		0				3/8SF4201	40826	1924 x 878 x 438
8	12	3	432			4						3	0				3/8SF4301	40827	1924 x 878 x 438
8	12	3	432			4		0						1			3/8SF4011	40828	1924 x 878 x 438
8	12	3	432			4			1					1			3/8SF4111	40829	1924 x 878 x 438
8	12	3	432			4					2			1			3/8SF4211	40830	1924 x 878 x 438
8	12	3	432			4						3		1			3/8SF4311	40831	1924 x 878 x 438
8	12	3	432			4		0								2	3/8SF4021	40832	1924 x 878 x 438
8	12	3	432			4			1							2	3/8SF4121	40833	1924 x 878 x 438
8	12	3	432			4					2					2	3/8SF4221	40834	1924 x 878 x 438
8	12	3	432			4						3				2	3/8SF4321	40835	1924 x 878 x 438
8	12	4	576			4		0					0				4/8SF4001	40836	1928 x 1128 x 438
8	12	4	576			4			1				0				4/8SF4101	40837	1928 x 1128 x 438
8	12	4	576			4					2		0				4/8SF4201	40838	1928 x 1128 x 438
8	12	4	576			4						3	0				4/8SF4301	40839	1928 x 1128 x 438
8	12	4	576			4		0						1			4/8SF4011	40840	1928 x 1128 x 438
8	12	4	576			4			1					1			4/8SF4111	40841	1928 x 1128 x 438
8	12	4	576			4					2			1			4/8SF4211	40842	1928 x 1128 x 438
8	12	4	576			4						3		1			4/8SF4311	40843	1928 x 1128 x 438
8	12	4	576			4		0								2	4/8SF4021	40844	1928 x 1128 x 438
8	12	4	576			4			1							2	4/8SF4121	40845	1928 x 1128 x 438
8	12	4	576			4					2					2	4/8SF4221	40846	1928 x 1128 x 438
8	12	4	576			4						3				2	4/8SF4321	40847	1928 x 1128 x 438

*1 A cable cooling unit is required for E30 to maintain functionality (see page 39)

*2 1 panel wide, unventilated / 2 or more panels wide, ventilated

*3 Ventilated with fan

Fire Protection Cabinets

Floor Standing Cabinet, 538 mm Depth

Floor standing cabinet, I90/E90 classification ^{*1}

IP41 $\frac{\perp}{\perp}$

538 mm cabinet depth

A2

F90

I90

E90

Overall height OH	Grid units GU	Panels wide PW	Space units SU					Door hinge and ventilation				Cable entry			External dimensions H/W/D (mm)		
								Unvent./vent.*2		Vent .w. Fan*3							
				R	L	R	L	Above	Below	Both	Type	Ord. No.					
205	338	438	538	0	1	2	3	0	1	2							
8	12	1	144				5	0				0			1/8SF5001	40848	1928 x 378 x 538
8	12	1	144				5		1			0			1/8SF5101	40849	1928 x 378 x 538
8	12	1	144				5	0					1		1/8SF5011	40852	1928 x 378 x 538
8	12	1	144				5		1				1		1/8SF5111	40853	1928 x 378 x 538
8	12	1	144				5	0						2	1/8SF5021	40856	1928 x 378 x 538
8	12	1	144				5		1					2	1/8SF5121	40857	1928 x 378 x 538
8	12	2	288				5	0				0			2/8SF5001	40860	1928 x 628 x 538
8	12	2	288				5		1			0			2/8SF5101	40861	1928 x 628 x 538
8	12	2	288				5			2		0			2/8SF5201	40862	1928 x 628 x 538
8	12	2	288				5				3	0			2/8SF5301	40863	1928 x 628 x 538
8	12	2	288				5	0					1		2/8SF5011	40864	1928 x 628 x 538
8	12	2	288				5		1				1		2/8SF5111	40865	1928 x 628 x 538
8	12	2	288				5			2			1		2/8SF5211	40866	1928 x 628 x 538
8	12	2	288				5				3		1		2/8SF5311	40867	1928 x 628 x 538
8	12	2	288				5	0						2	2/8SF5021	40868	1928 x 628 x 538
8	12	2	288				5		1					2	2/8SF5121	40869	1928 x 628 x 538
8	12	2	288				5			2				2	2/8SF5221	40870	1928 x 628 x 538
8	12	2	288				5				3			2	2/8SF5321	40871	1928 x 628 x 538
8	12	3	432				5	0				0			3/8SF5001	40872	1928 x 878 x 538
8	12	3	432				5		1			0			3/8SF5101	40873	1928 x 878 x 538
8	12	3	432				5			2		0			3/8SF5201	40874	1928 x 878 x 538
8	12	3	432				5				3	0			3/8SF5301	40875	1928 x 878 x 538
8	12	3	432				5	0					1		3/8SF5011	40876	1928 x 878 x 538
8	12	3	432				5		1				1		3/8SF5111	40877	1928 x 878 x 538
8	12	3	432				5			2			1		3/8SF5211	40878	1928 x 878 x 538
8	12	3	432				5				3		1		3/8SF5311	40879	1928 x 878 x 538
8	12	3	432				5	0						2	3/8SF5021	40880	1928 x 878 x 538
8	12	3	432				5		1					2	3/8SF5121	40881	1928 x 878 x 538
8	12	3	432				5			2				2	3/8SF5221	40882	1928 x 878 x 538
8	12	3	432				5				3			2	3/8SF5321	40883	1928 x 878 x 538
8	12	4	576				5	0				0			4/8SF5001	40884	1928 x 1128 x 538
8	12	4	576				5		1			0			4/8SF5101	40885	1928 x 1128 x 538
8	12	4	576				5			2		0			4/8SF5201	40886	1928 x 1128 x 538
8	12	4	576				5				3	0			4/8SF5301	40887	1928 x 1128 x 538
8	12	4	576				5	0					1		4/8SF5011	40888	1928 x 1128 x 538
8	12	4	576				5		1				1		4/8SF5111	40889	1928 x 1128 x 538
8	12	4	576				5			2			1		4/8SF5211	40890	1928 x 1128 x 538
8	12	4	576				5				3		1		4/8SF5311	40891	1928 x 1128 x 538
8	12	4	576				5	0						2	4/8SF5021	40892	1928 x 1128 x 538
8	12	4	576				5		1					2	4/8SF5121	40893	1928 x 1128 x 538
8	12	4	576				5			2				2	4/8SF5221	40894	1928 x 1128 x 538
8	12	4	576				5				3			2	4/8SF5321	40895	1928 x 1128 x 538

^{*1} A cable cooling unit is required for E30 to maintain functionality (see page 39)

^{*2} 1 panel wide, unventilated / 2 or more panels wide, ventilated

^{*3} Ventilated with fan

Fire Protection Cabinets

Floor Standing Cabinet Accessories

Plinth for floor standing cabinet, type SF

Plinth height: 100 mm

	Type	Ord. No.
Plinth 1 panel wide, depth 3	1S0SF3	40896
Plinth 2 panels wide, depth 3	2S0SF3	40897
Plinth 3 panels wide, depth 3	3S0SF3	40898
Plinth 4 panels wide, depth 3	4S0SF3	40899
Plinth 1 panel wide, depth 4	1S0SF4	40900
Plinth 2 panels wide, depth 4	2S0SF4	40901
Plinth 3 panels wide, depth 4	3S0SF4	40902
Plinth 4 panels wide, depth 4	4S0SF4	40903
Plinth 1 panel wide, depth 5	1S0SF5	40904
Plinth 2 panels wide, depth 5	2S0SF5	40905
Plinth 3 panels wide, depth 5	3S0SF5	40906
Plinth 4 panels wide, depth 5	4S0SF5	40907

Cable cooling unit for floor standing cabinet, type SF

Cable cooling unit height: 500 mm

Cable cooling unit, 1 panel wide	1KSF	40908
Cable cooling unit, 2 panels wide	2KSF	40909
Cable cooling unit, 3 panels wide	3KSF	40910
Cable cooling unit, 4 panels wide	4KSF	40911

IP54 expansion set

IP54 expansion set, 1 panel wide 1 x ø 63 mm; 5 x ø 32 mm	1SF54	40912
IP54 expansion set, 2 panels wide 2 x ø 63 mm; 13 x ø 32 mm	2SF54	40913
IP54 expansion set, 3 panels wide 2 x ø 63 mm; 23 x ø 32 mm	3SF54	40914
IP54 expansion set, 4 panels wide 2 x ø 63 mm; 2 x 16 x ø 32 mm	4SF54	40915

General accessories

Ventilation apertures with smoke detector	IRM	41087
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Distribution Panels

Plastic Covers with 90° Press-and-Twist Locks
(Without Devices)

■ For installation in all modular cabinets.
Applicable standards:
DIN 43870

■ The grid units of the distribution panels or
panel combinations must match those of the
cabinets in which they are to be installed.

Overall height	Grid units	For modular DIN rail devices				For modular DIN rail devices and terminals				With mounting plate			For touch protection (Blank panel)	
		250 mm	500 mm	250 mm	500 mm	250 mm	500 mm	250 mm	500 mm	250 mm	500 mm	250 mm	500 mm	
00	3 GU	36	72							36	72	36	72	
Type		1 V00A	2 V00A							1M00A	2M00A	1B00A	2B00A	
Ord. No.		37580	37581							37582	37583	37585	37586	
450 mm														
0	4 GU	48	96			48	96			48	96	48	96	
Type		1V0A	2V0A			1V0KA	2V0KA			1M0A	2M0A	1B0A	2B0A	
Ord. No.		37591	37592			37593	37594			37595	37596	37601	37602	
600 mm														
1	5 GU	60	120			60	120			60	120	60	120	
Type		1V1A	2V1A			1V1KA	2V1KA			1M1A	2M1A	1B1A	2B1A	
Ord. No.		37610	37611			37612	37613			37614	37615	37620	37621	
750 mm														
2	6 GU	72	144	72	144	72	144	72	144	72	144	72	144	
Type		1V2A	2V2A	1V23A	2V23A	1V2KA	2V2KA	1V23KA	2V23KA	1M2A	2M2A	1B2A	2B2A	
Ord. No.		37622	37623	37634	37635	37624	37625	37637	37638	37626	37627	37632	37633	
900 mm														
3	7 GU	84	168			84	168			84	168	84	168	
Type		1V3A	2V3A			1V3KA	2V3KA			1M3A	2M3A	1B3A	2B3A	
Ord. No.		37639	37640			37641	37642			37643	37644	37649	37650	
1050 mm														
4	8 GU	96	192			96	192	96	192	96	192	96	192	
Type		1V4A	2V4A			1V4KA	2V4KA	1V43KA	2V43KA	1M4A	2M4A	1B4A	2B4A	
Ord. No.		37651	37652			37653	37654	37677	37678	37655	37656	37661	37662	
1200 mm														
5	9 GU	108	216			108	216			108	216	108	216	
Type		1V5A	2V5A			1V5KA	2V5KA			1M5A	2M5A	1B5A	2B5A	
Ord. No.		37665	37666			37667	37668			37669	37670	37675	37676	
1350 mm														

Distribution Panels

Plastic Covers with 90° Press-and-Turn closure
(Without Devices)

■ Any two panels mounted one above the other must always be the same width.

Partitions

Not arc-resistant.
Cabinet panel against cabinet panel.

With busbars		
250 mm	500 mm	
36	72	Space units
1V002A 37590	2V002A 37609	ZX69 39069
 AG 13	 AG 23	
1V02A 37606	2V02A 37607	Space units
 AG12	 AG22	ZX70 39070
		
		Space units
		ZX71 39071
		
		Space units
		ZX72 39072
		
		Space units
		ZX73 39073
		
		Space units
		ZX74 39074
		
		Space units
		ZX75 39075
		

Equipping distribution panels



Panels for modular DIN rail devices

Equipment:
35 x 15 mm DIN rail for installing devices and with a special hole grid for the wiring system. DIN rail spacing: 125 mm. Plastic covers. Space for DIN 43880 modular devices for 12 SU (216 mm) per panels wide.



Panels for rail mounted terminals

Equipment:
35 x 15 mm DIN rail for terminals with a special hole grid for the wiring system. DIN rail spacing: 125 mm. Plastic covers. Use ZK90P2 insulating pieces to mount DIN rails in a double insulated manner. Use ED33P2 deep mounting brackets to mount DIN rails in a recessed position.



Panels with mounting plates

Equipment:
Mounting plate made from ST1203 2 mm sendzimir-galvanised sheet steel. The mounting plate is mounted on deep mounting brackets and the depth can be steplessly adjusted. Maximum installation depth between mounting plate and cover: 143 mm (please note cabinet depth). Plastic covers (closed covers).



Panels for touch protection (or for custom assembly)

Equipment:
Blank panel without installation material, plastic covers (closed covers).

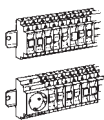
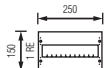
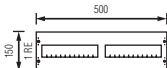
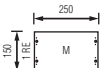
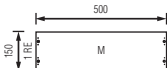
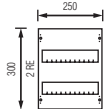
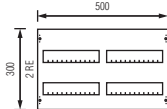
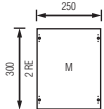
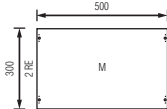
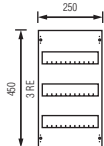
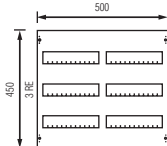
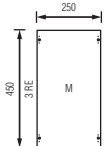
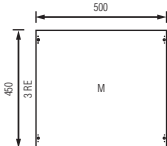
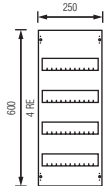
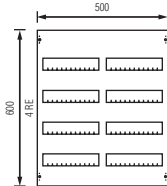
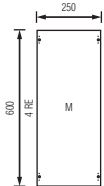
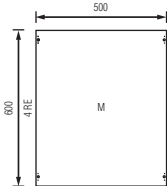
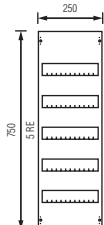
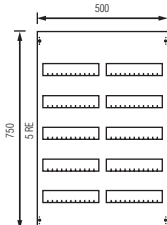
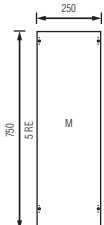
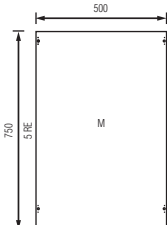


Panels with busbars

Equipment:
5-pole busbar system
12 x 5 Cu, 250 A, busbar spacing: 40 mm, plastic covers (closed covers).

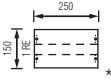
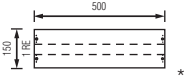
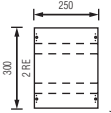
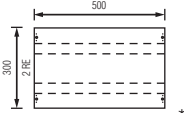
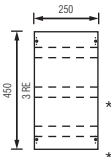
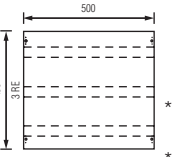
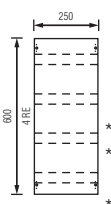
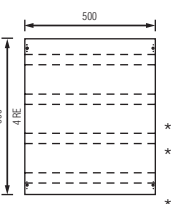
TNF Modules

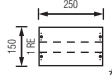
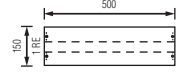
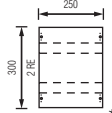
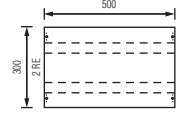
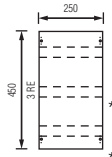
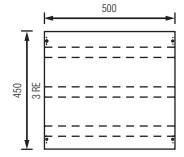
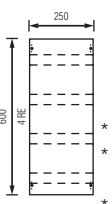
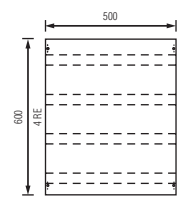
Plastic Covers with 90° Press-and-Turn closure
(Without Devices)

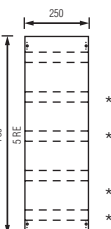
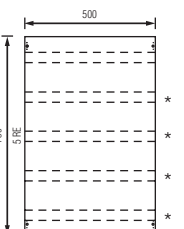
Module type: Modular DIN rail device module			Module type: Mounting plate module		
 For modular devices complying with DIN 43880 With DIN rails 35 x 15 mm Rail spacing: 125 mm			2 mm sendzimir-galvanised sheet steel mounting plates ED33P2 deep mounting brackets with adjustable height and depth		
Grid units	Width 250	Width 500	Grid units	Width 250	Width 500
1	Type TNF101 SU 12 Ord. No. 67106 	Type TNF201 SU 24 Ord. No. 67111 	1	Type TNF111 SU 12 Ord. No. 67116 	Type TNF211 SU 24 Ord. No. 67123 
2	Type TNF102 SU 24 Ord. No. 67107 	Type TNF202 SU 48 Ord. No. 67112 	2	Type TNF112 SU 24 Ord. No. 67117 	Type TNF212 SU 48 Ord. No. 67124 
3	Type TNF103 SU 36 Ord. No. 67108 	Type TNF203 SU 72 Ord. No. 67113 	3	Type TNF113 SU 36 Ord. No. 67118 	Type TNF213 SU 72 Ord. No. 67125 
4	Type TNF104 SU 48 Ord. No. 67109 	Type TNF204 SU 96 Ord. No. 67114 	4	Type TNF114 SU 48 Ord. No. 67119 	Type TNF214 SU 96 Ord. No. 67126 
5	Type TNF105 SU 60 Ord. No. 67110 	Type TNF205 SU 120 Ord. No. 67115 	5	Type TNF115 SU 60 Ord. No. 67120 	Type TNF215 SU 120 Ord. No. 67127 

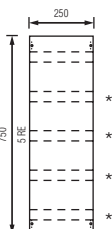
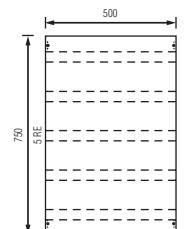
TNF Modules

Plastic Covers with 90° Press-and-Turn closure
(Without Devices)

Module type:	Terminal block module 	
	With 35 x 15 mm DIN rails I_n 100 A Protection class 1 Earthed DIN rails *Height and depth adjustable, on ED33P2 deep mounting brackets	
Grid units	Width 250	Width 500
1	Type TNF106 SU 12 Ord. No. 67130 	Type TNF206 SU 24 Ord. No. 67135 
2	Type TNF107 SU 24 Ord. No. 67131 	Type TNF207 SU 48 Ord. No. 67136 
3	Type TNF108 SU 36 Ord. No. 67132 	Type TNF208 SU 72 Ord. No. 67137 
4	Type TNF109 SU 48 Ord. No. 67133 	Type TNF209 SU 96 Ord. No. 67138 

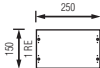
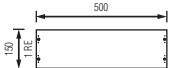
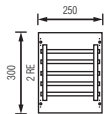
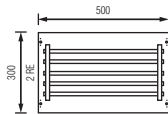
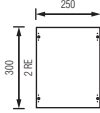
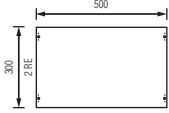
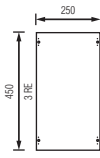
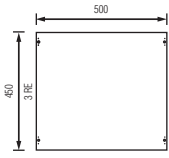
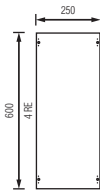
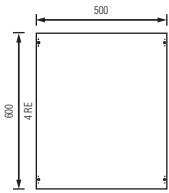
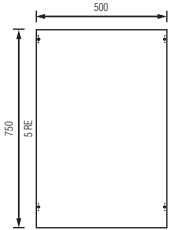
Module type:	Terminal block module 	
	With 35 x 15 mm DIN rails I_n 100 A Protection class 2 Insulated DIN rail *Height and depth adjustable, on ED33P2 deep mounting brackets	
Grid units	Width 250	Width 500
1	Type TNF106S SU 12 Ord. No. 67140 	Type TNF206S SU 24 Ord. No. 67145 
2	Type TNF107S SU 24 Ord. No. 67141 	Type TNF207S SU 48 Ord. No. 67146 
3	Type TNF108S SU 36 Ord. No. 67142 	Type TNF208S SU 72 Ord. No. 67147 
4	Type TNF109S SU 48 Ord. No. 67143 	Type TNF209S SU 96 Ord. No. 67148 

5	Type TNF110 SU 60 Ord. No. 67134 	Type TNF210 SU 120 Ord. No. 67139 
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5	Type TNF110S SU 60 Ord. No. 67144 	Type TNF210S SU 120 Ord. No. 67149 
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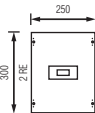
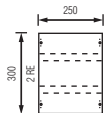
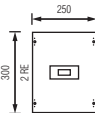
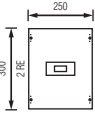
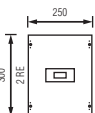
TNF Modules

Plastic Covers with 90° Press-and-Turn closure
(Without Devices)

Module type: Touch protection module			Module type: Busbar module		
Empty module, cover closed			Equipped with Cu busbars on ED33P2 deep mounting brackets		
Grid units	Width 250	Width 500	Grid units	Width 250	Width 500
1	Type TNF116 SU 12 Ord. No. 67150 	Type TNF216 SU 24 Ord. No. 67155 	2	Type TNF124B SU 24 Ord. No. 67160 	Type TNF224B SU 48 Ord. No. 67161 
2	Type TNF117 SU 24 Ord. No. 67151 	Type TNF217 SU 48 Ord. No. 67156 	Technical details Cu busbar: 12 x 5 mm Number of poles: 5 Current: 250 A Busbar spacing: 40 mm Busbar holder ZB5		
3	Type TNF118 SU 36 Ord. No. 67152 	Type TNF218 SU 72 Ord. No. 67157 			
4	Type TNF119 SU 48 Ord. No. 67153 	Type TNF219 SU 96 Ord. No. 67158 			
5	Type TNF120 SU 60 Ord. No. 67154 	Type TNF220 SU 120 Ord. No. 67159 			

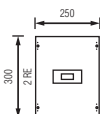
TNF Modules

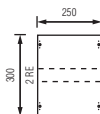
Plastic Covers with 90° Press-and-Turn closure
(With/*Without Devices)

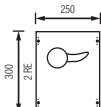
Module type: Circuit breaker module			Module type: Switch disconnecter/circuit breaker module		
Equipped with circuit breaker product: ABB Series: SACE/T1, T3			Prepared module, closed cover Ready to be used with the following products: ABB Series: SACE/Isomax AEG/GE Series: MC8 Merlin Gerin Series: NS Terasaki Series: BS Siemens Series: 3VF Moeller Series: NZM, NZM,P Socomec Series: SIRCO		
Grid units	Width 250	Width 500	Grid units	Width 250	Width 500
2	With 100 A breaker (T1BR100) Type TNF100ALSB SU 24 Ord. No. 68325		2	For 100 A - 250 A breakers Type TNF250A * SU 24 Ord. No. 67804	
					
2	With 160 A breaker (T1BR160) Type TNF160ALSB SU 24 Ord. No. 68326				
					
2	With 200 A breaker (T3NR200) Type TNF200ALSB SU 24 Ord. No. 68327				
					
2	With 250 A breaker (T3NR250) Type TNF250ALSB SU 24 Ord. No. 68328				
					

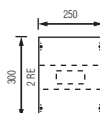
TNF Modules

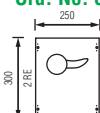
Plastic Covers with 90° Press-and-Turn closure
(With/*Without Devices)

Module type:	Switch disconnecter module
	Equipped with switch disconnecter: ABB Series: SACE/OT
Grid units	Width 250
2	With 160 A switch disconnecter (OT160M3) Type TNF160ALAB SU 24 Ord. No. 68329
	

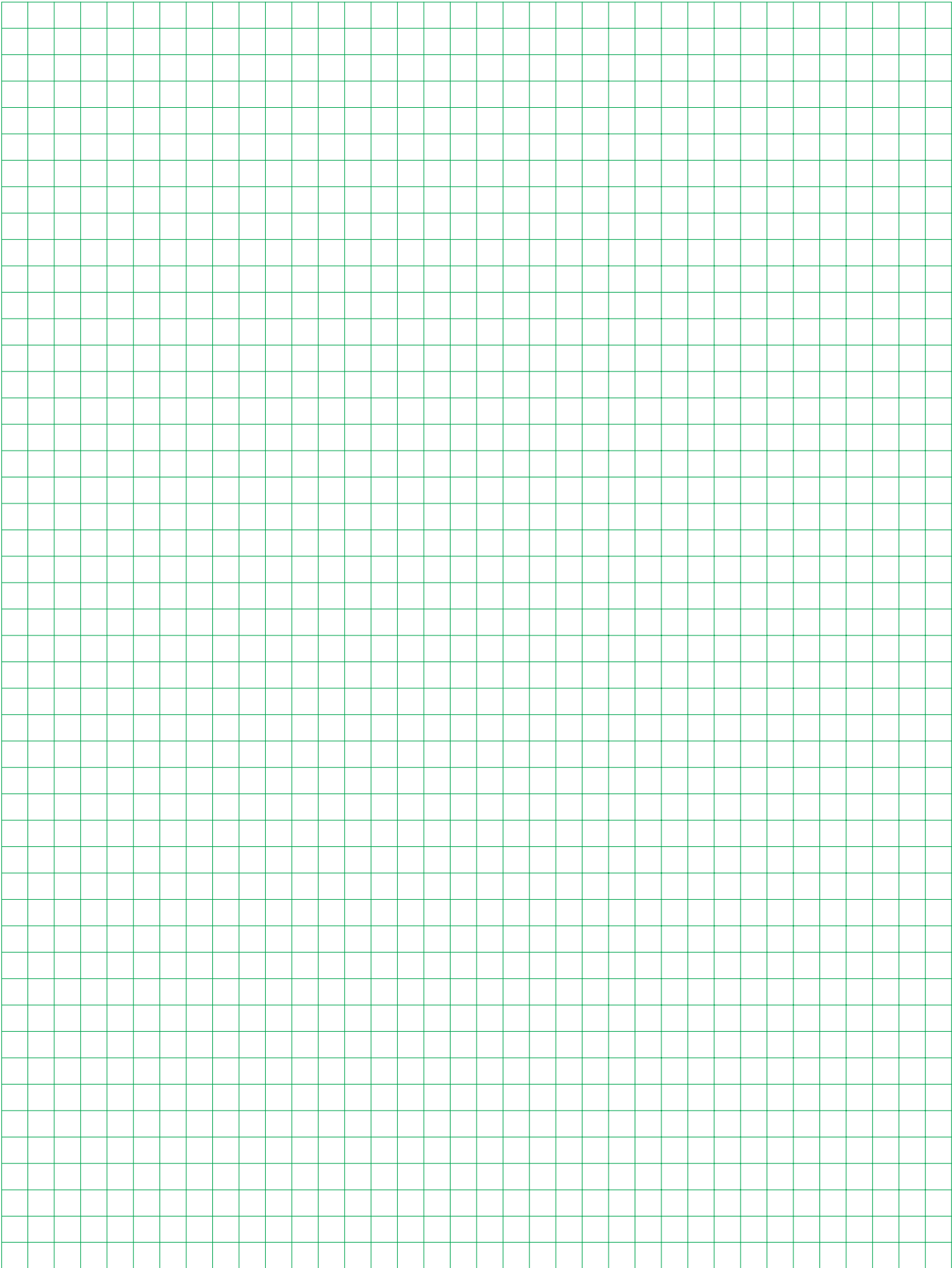
Module type:	Switch disconnecter module
	Prepared module, closed cover Ready to be used with the following product: ABB Series: OT
Grid units	Width 250
2	For 160 A breakers Type TNF160ALA * SU 24 Ord. No. 68332
	

Module type:	Switch disconnecter module	
	Equipped with switch disconnecter: ABB Series: SACE/OETL	
Grid units	Width 250	Width 500
2	With 200 A switch disconnecter (OETL200K3) Type TNF200ALAB SU 24 Ord. No. 68330	
		

Module type:	Switch disconnecter module
	Prepared module, closed cover Ready to be used with the following product: ABB Series: OETL
Grid units	Width 250
2	For 100 A - 250 A switch disconnecter Type TNF250ALA * SU 24 Ord. No. 68333
	

2	With 250 A switch disconnecter (OETL250K3) Type TNF250ALAB SU 24 Ord. No. 68331
	

For your notes



Fire Protection Cabinets

Enclosure Cabinet



Enclosure cabinet MF

IP41

Cabinet depth with I30/E30 classification 434 mm

Cabinet depth with I90/E90 classification 438 mm

A2

F30

I30

E30

F90

I90

E90

Cabinet for mounting over existing distribution boards

Function

- Material with A2 surface coating – fireproof, tested in accordance with DIN 4102 Part 1
- Fire resistance F30/F90, tested in accordance with DIN 4102 Part 2
- Check fire load I30/I90 in accordance with DIN 4102 Part 11
- Maintain functionality E30/E90 in accordance with DIN 4102 Part 12
- IP41 degree of protection
- Impervious to smoke

Construction features

- Wall mounting
- Changeable door hinge
- Removable stainless steel hinges make door detachable (reduction in weight)
- Can be locked using door closure rod
- Cable bulkhead for inserting cable bundles
- Internal door
- 180° door opening angle

Surface

- Light grey coating, similar to RAL7035, edges with contrasting colours
- High chemical resistance
- High mechanical stability and resistance

Additional features/options

- Cable cooling unit_KMF
- Smoke detector+ventilation – IRM
- Technical ventilation with fan
- Various surface designs

Fire Protection Cabinets

Enclosure Cabinet, 434 mm depth

Enclosure cabinet, I30/E30 classification *1

IP41 ≡ □

Cabinet depth: 434 mm

A2

F30

I30

E30

Overall height OH	Grid units GU	Panels wide PW	Space units SU					Door hinge and ventilation				Cable entry			External dimensions H/W/D (mm)		
								Unvent./vent.*2		Vent .w. Fan*3							
				205	334	434	534	R	L	R	L	Above	Below	Both	Type	Ord. No.	
1	5	2	120			4		0				0			2/1MF4000	40916	874 x 624 x 434
1	5	2	120			4			1			0			2/1MF4100	40917	874 x 624 x 434
1	5	2	120			4				2		0			2/1MF4200	40918	874 x 624 x 434
1	5	2	120			4					3	0			2/1MF4300	40919	874 x 624 x 434
1	5	2	120			4		0					1		2/1MF4010	40920	874 x 624 x 434
1	5	2	120			4			1				1		2/1MF4110	40921	874 x 624 x 434
1	5	2	120			4				2			1		2/1MF4210	40922	874 x 624 x 434
1	5	2	120			4					3		1		2/1MF4310	40923	874 x 624 x 434
1	5	2	120			4		0						2	2/1MF4020	40924	874 x 624 x 434
1	5	2	120			4			1					2	2/1MF4120	40925	874 x 624 x 434
1	5	2	120			4				2				2	2/1MF4220	40926	874 x 624 x 434
1	5	2	120			4					3			2	2/1MF4320	40927	874 x 624 x 434
2	5	2	144			4		0				0			2/2MF4000	40928	1024 x 624 x 434
2	5	2	144			4			1			0			2/2MF4100	40929	1024 x 624 x 434
2	5	2	144			4				2		0			2/2MF4200	40930	1024 x 624 x 434
2	5	2	144			4					3	0			2/2MF4300	40931	1024 x 624 x 434
2	5	2	144			4		0					1		2/2MF4010	40932	1024 x 624 x 434
2	5	2	144			4			1				1		2/2MF4110	40933	1024 x 624 x 434
2	5	2	144			4				2			1		2/2MF4210	40934	1024 x 624 x 434
2	5	2	144			4					3		1		2/2MF4310	40935	1024 x 624 x 434
2	5	2	144			4		0						2	2/2MF4020	40936	1024 x 624 x 434
2	5	2	144			4			1					2	2/2MF4120	40937	1024 x 624 x 434
2	5	2	144			4				2				2	2/2MF4220	40938	1024 x 624 x 434
2	5	2	144			4					3			2	2/2MF4320	40939	1024 x 624 x 434
2	5	3	216			4		0				0			3/2MF4000	40940	1024 x 874 x 434
2	5	3	216			4			1			0			3/2MF4100	40941	1024 x 874 x 434
2	5	3	216			4				2		0			3/2MF4200	40942	1024 x 874 x 434
2	5	3	216			4					3	0			3/2MF4300	40943	1024 x 874 x 434
2	5	3	216			4		0					1		3/2MF4010	40944	1024 x 874 x 434
2	5	3	216			4			1				1		3/2MF4110	40945	1024 x 874 x 434
2	5	3	216			4				2			1		3/2MF4210	40946	1024 x 874 x 434
2	5	3	216			4					3		1		3/2MF4310	40947	1024 x 874 x 434
2	5	3	216			4		0						2	3/2MF4020	40948	1024 x 874 x 434
2	5	3	216			4			1					2	3/2MF4120	40949	1024 x 874 x 434
2	5	3	216			4				2				2	3/2MF4220	40950	1024 x 874 x 434
2	5	3	216			4					3			2	3/2MF4320	40951	1024 x 874 x 434
4	8	2	192			4		0				0			2/4MF4000	40952	1324 x 624 x 434
4	8	2	192			4			1			0			2/4MF4100	40953	1324 x 624 x 434
4	8	2	192			4				2		0			2/4MF4200	40954	1324 x 624 x 434
4	8	2	192			4					3	0			2/4MF4300	40955	1324 x 624 x 434
4	8	2	192			4		0					1		2/4MF4010	40956	1324 x 624 x 434
4	8	2	192			4			1				1		2/4MF4110	40957	1324 x 624 x 434
4	8	2	192			4				2			1		2/4MF4210	40958	1324 x 624 x 434
4	8	2	192			4					3		1		2/4MF4310	40959	1324 x 624 x 434
4	8	2	192			4		0						2	2/4MF4020	40960	1324 x 624 x 434
4	8	2	192			4			1					2	2/4MF4120	40961	1324 x 624 x 434
4	8	2	192			4				2				2	2/4MF4220	40962	1324 x 624 x 434
4	8	2	192			4					3			2	2/4MF4320	40963	1324 x 624 x 434

*1 A cable cooling unit is required for E30 to maintain functionality (see page 51)

*2 1 panel wide, unventilated / 2 or more panels wide, ventilated

*3 Ventilated with fan

Fire Protection Cabinets

Enclosure Cabinet, 438 mm depth

Enclosure cabinet, I90/E90 classification ^{*1}

IP41 $\neq$ $\square$

Cabinet depth: 438 mm

A2

F90

I90

E90

Overall height OH	Grid units GU	Panels wide PW	Space units SU					Door hinge and ventilation				Cable entry			External dimensions H/W/D (mm)			
								Unvent./vent.*2		Vent .w. Fan*3								
				205	334	434	534	R	L	R	L	Above	Below	Both	Type	Ord. No.		
1	5	2	120			4		0					0			2/1MF4001	40964	878 x 628 x 438
1	5	2	120			4			1				0			2/1MF4101	40965	878 x 628 x 438
1	5	2	120			4					2		0			2/1MF4201	40966	878 x 628 x 438
1	5	2	120			4						3	0			2/1MF4301	40967	878 x 628 x 438
1	5	2	120			4		0						1		2/1MF4011	40968	878 x 628 x 438
1	5	2	120			4			1					1		2/1MF4111	40969	878 x 628 x 438
1	5	2	120			4					2			1		2/1MF4211	40970	878 x 628 x 438
1	5	2	120			4						3		1		2/1MF4311	40971	878 x 628 x 438
1	5	2	120			4		0							2	2/1MF4021	40972	878 x 628 x 438
1	5	2	120			4			1						2	2/1MF4121	40973	878 x 628 x 438
1	5	2	120			4					2				2	2/1MF4221	40974	878 x 628 x 438
1	5	2	120			4						3			2	2/1MF4321	40975	878 x 628 x 438
2	5	2	144			4		0					0			2/2MF4001	40976	1028 x 628 x 438
2	5	2	144			4			1				0			2/2MF4101	40977	1028 x 628 x 438
2	5	2	144			4					2		0			2/2MF4201	40978	1028 x 628 x 438
2	5	2	144			4						3	0			2/2MF4301	40979	1028 x 628 x 438
2	5	2	144			4		0						1		2/2MF4011	40980	1028 x 628 x 438
2	5	2	144			4			1					1		2/2MF4111	40981	1028 x 628 x 438
2	5	2	144			4					2			1		2/2MF4211	40982	1028 x 628 x 438
2	5	2	144			4						3		1		2/2MF4311	40983	1028 x 628 x 438
2	5	2	144			4		0							2	2/2MF4021	40984	1028 x 628 x 438
2	5	2	144			4			1						2	2/2MF4121	40985	1028 x 628 x 438
2	5	2	144			4					2				2	2/2MF4221	40986	1028 x 628 x 438
2	5	2	144			4						3			2	2/2MF4321	40987	1028 x 628 x 438
2	5	3	216			4		0					0			3/2MF4001	40988	1028 x 878 x 438
2	5	3	216			4			1				0			3/2MF4101	40989	1028 x 878 x 438
2	5	3	216			4					2		0			3/2MF4201	40990	1028 x 878 x 438
2	5	3	216			4						3	0			3/2MF4301	40991	1028 x 878 x 438
2	5	3	216			4		0						1		3/2MF4011	40992	1028 x 878 x 438
2	5	3	216			4			1					1		3/2MF4111	40993	1028 x 878 x 438
2	5	3	216			4					2			1		3/2MF4211	40994	1028 x 878 x 438
2	5	3	216			4						3		1		3/2MF4311	40995	1028 x 878 x 438
2	5	3	216			4		0							2	3/2MF4021	40996	1028 x 878 x 438
2	5	3	216			4			1						2	3/2MF4121	40997	1028 x 878 x 438
2	5	3	216			4					2				2	3/2MF4221	40998	1028 x 878 x 438
2	5	3	216			4						3			2	3/2MF4321	40999	1028 x 878 x 438
4	8	2	192			4		0					0			2/4MF4001	41000	1328 x 628 x 438
4	8	2	192			4			1				0			2/4MF4101	41001	1328 x 628 x 438
4	8	2	192			4					2		0			2/4MF4201	41002	1328 x 628 x 438
4	8	2	192			4						3	0			2/4MF4301	41003	1328 x 628 x 438
4	8	2	192			4		0						1		2/4MF4011	41004	1328 x 628 x 438
4	8	2	192			4			1					1		2/4MF4111	41005	1328 x 628 x 438
4	8	2	192			4					2			1		2/4MF4211	41006	1328 x 628 x 438
4	8	2	192			4						3		1		2/4MF4311	41007	1328 x 628 x 438
4	8	2	192			4		0							2	2/4MF4021	41008	1328 x 628 x 438
4	8	2	192			4			1						2	2/4MF4121	41009	1328 x 628 x 438
4	8	2	192			4					2				2	2/4MF4221	41010	1328 x 628 x 438
4	8	2	192			4						3			2	2/4MF4321	41011	1328 x 628 x 438

^{*1} A cable cooling unit is required for E30 to maintain functionality (see page 51)

^{*2} 1 panel wide, unventilated / 2 or more panels wide, ventilated

^{*3} Ventilated with fan

Fire Protection Cabinets

Enclosure Cabinet Type MF Accessories

Cable cooling unit for enclosure cabinet, type MF

	Type	Ord. No.
Cable cooling unit, 1 panel wide	1KMF	41012
Cable cooling unit, 2 panels wide	2KMF	41013
Cable cooling unit, 3 panels wide	3KMF	41014

IP54 expansion set



IP54 expansion set, 1 panel wide
1 x ø 63 mm; 5 x ø 32 mm

1MF54 41015



IP54 expansion set, 2 panels wide
2 x ø 63 mm; 13 x ø 32 mm

2MF54 41016



IP54 expansion set, 3 panels wide
2 x ø 63 mm; 23 x ø 32 mm

3MF54 41017

Fire Protection Cabinets

Wiring Cabinet



Wiring cabinet RF

IP41 $\frac{\perp}{\perp}$

Cabinet depth with I30/E30 classification 334 mm

Cabinet depth with I90/E90 classification 338 mm

A2

F30

I30

E30

F90

I90

E90

Cabinet for wall mounting

Function

- Material with A2 surface coating – fireproof, tested in accordance with DIN 4102 Part 1
- Fire resistance F30/F90, tested in accordance with DIN 4102 Part 2
- Check fire load I30/I90 in accordance with DIN 4102 Part 11
- Maintain functionality E30/E90 in accordance with DIN 4102 Part 12
- IP41 degree of protection $\frac{\perp}{\perp}$
- Impervious to smoke

Construction features

- Wall mounting
- Changeable door hinge
- Detachable door, reducing overall weight of cabinet
- Can be locked using door closure rod
- Cable bulkhead for inserting cable bundles (above, below, both above and below)
- Mounting brackets
- Internal door

Surface

- Light grey coating, similar to RAL7035, edges with contrasting colours
- High chemical resistance
- High mechanical stability and resistance

Additional features/options

- IP54 kit_RF54
- Various surface designs

Fire Protection Cabinets

Wiring Cabinet

Wiring cabinet, I30/E30 classification *1

IP41 $\frac{1}{2}$

Cabinet depth: 334 mm

A2

F30

I30

E30

								Door hinge and ventilation												
								Unvent./vent.*2		Vent .w. Fan*3										
Overall height OH	Grid units GU	Panels wide PW	Space units SU	Cabinet depth				R	L	R	L	Above	Below	Both	Type	Ord. No.	External dimensions H/W/D (mm)			
				205	334	434	534	0	1	2	3	0	1	2						
000	2	1	24	3				0						2	1/000R3020	41018	424 x 374 x 334			
000	2	1	24	3					1					2	1/000R3120	41019	424 x 374 x 334			
00	3	1	36	3				0						2	1/00R3020	41022	574 x 374 x 334			
00	3	1	36	3					1					2	1/00R3120	41023	574 x 374 x 334			
00	3	2	36	3				0						2	2/00R3020	41026	574 x 624 x 334			
00	3	2	36	3					1					2	2/00R3120	41027	574 x 624 x 334			
00	3	2	36	3						2				2	2/00R3220	41028	574 x 624 x 334			
00	3	2	36	3							3			2	2/00R3320	41029	574 x 624 x 334			

Wiring cabinet, I90/E90 classification *1

IP41 $\frac{1}{2}$

Cabinet depth: 334 mm

A2

F90

I90

E90

								Door hinge and ventilation									
								Unvent./vent.*2		Vent .w. Fan*3							
Overall height OH	Grid units GU	Panels wide PW	Space units SU	Cabinet depth				R	L	R	L	Above	Below	Both	Type	Ord. No.	External dimensions H/W/D (mm)
				205	334	434	534	0	1	2	3	0	1	2			
000	2	1	24	3				0						2	1/000R3021	41030	428 x 378 x 338
000	2	1	24	3					1					2	1/000R3121	41031	428 x 378 x 338
00	3	1	36	3				0						2	1/00R3021	41034	578 x 378 x 338
00	3	1	36	3					1					2	1/00R3121	41035	578 x 378 x 338
00	3	2	36	3				0						2	2/00R3021	41038	578 x 628 x 338
00	3	2	36	3					1					2	2/00R3121	41039	578 x 628 x 338
00	3	2	36	3						2				2	2/00R3221	41040	578 x 628 x 338
00	3	2	36	3							3			2	2/00R3321	41041	578 x 628 x 338

Wiring cabinet type RF accessories



IP54 expansion set, 1 panel wide
1 x ø 63 mm; 5 x ø 32 mm

Type Ord. No.

1RF54 41042



IP54 expansion set, 2 panels wide
2 x ø 63 mm; 13 x ø 32 mm

2RF54 41043

Wiring cabinet type RF accessories

Type Ord. No.

General accessories: Ventilation apertures with smoke detector

IRM 41087

*1 A cable cooling unit is required for E30 to maintain functionality (see page 51)

*2 1 panel wide, unventilated / 2 or more panels wide, ventilated

*3 Ventilated with fan



Protective Cover Doors

For Fire Prevention



Protective cover doors VF

IP54

A2	F30	I30	E30
	F90	I90	E90

- Closure is fire-resistant and impervious to smoke
- Plate material with surface coating - fireproof
- 30 or 90-minute fire resistance
- Can be mounted on various types of wall

Protective cover doors are designed to act as a barrier between existing flush mounted wall distribution systems and escape and rescue routes (Check fire load in accordance with MLAR).

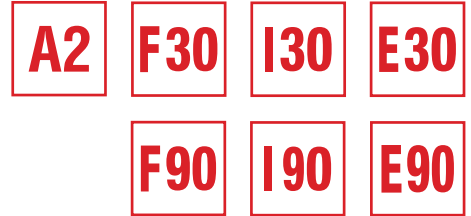
In addition, maintain functionality is ensured in the event of fire assuming that this can be properly verified.

Protective Cover Doors

For Fire Prevention

With the standard version, the distribution board may protrude by up to 20 mm from the wall. The old doors should be unhinged and removed. The protective cover door must overlap the existing distribution system by at least 115 mm, i.e., there must be 115 mm plus the thickness of the door (depending on the opening angle) all around the existing distribution system.

If the existing distribution system protrudes more than 20 mm from the wall, an additional raising frame can be ordered for the protective cover door.



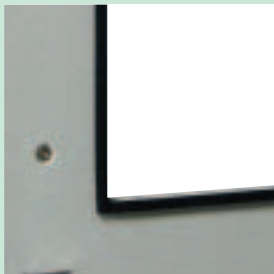
*Tested material with surface coating
DIN 4102 Part 1; A2*



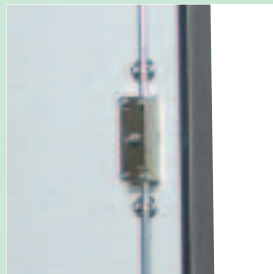
Integrated frame with fastening points



Removable stainless steel hinges



Surrounded by a fire and smoke protection seal



2-point lock, operated via door closure rod



Metallic swivel handles with DIN semi cylinder

Protective Cover Doors

For Fire Prevention



Protective Cover Doors

Protective Cover Door, Single-Leaf



Protective cover door VF, single-leaf

IP54

Door depth with I30/E30 classification 51 mm

Door depth with I90/E90 classification 71 mm

A2**F30****I30****E30****F90****I90****E90**

Door for use in front of existing flush distribution systems

Function

- Material with A2 surface coating – fireproof, tested in accordance with DIN 4102 Part 1
- Fire resistance F30/F90, tested in accordance with DIN 4102 Part 2
- Check fire load I30/I90 in accordance with DIN 4102 Part 11
- Maintain functionality E30/E90 in accordance with DIN 4102 Part 12
- Impervious to smoke
- IP54 degree of protection
- Protection class II

Construction features

- Single-leaf door
- Door opening angle approx. 180° with F30 version, approx. 150° with F90 version
- Door hung right
- Surrounding wall adjustment frame (W x D: 115 x 28 mm) with fastening holes
- Doors open on frame
- Can be locked using metallic swivel handle, ready for use with DIN semi cylinder
- 2-point lock, operated via door closure rod
- Stainless steel hinges with removable pivot pin for removing the wing of the door
- Fastening material: Frame plugs and screws included in scope of delivery

Surface

- Light grey colour, similar to RAL7035, edges with contrasting colours
- High chemical resistance
- High mechanical stability and resistance, Brinell hardness 50 N/mm²
- High material density - 1450 kg/m³
- Surface characteristics conforming to EN 438-2

Additional features/options

- Additional adjustment frames for greater coverage
- Various surface designs
- Metallic square pin lock
- Door hung left

Protective Cover Doors

Protective Cover Door, Single-Leaf

Protective cover door VF, single-leaf

IP54

A2

F30

I30

E30

Overall height OH	Grid units GU	Panels wide PW	Space units SU					Door hinge and ventilation				Cable entry					
								Unvent./vent.		Vent. w. Fan							
				205	334	434	534	R	L	R	L	Above	Below	Both			
0		1						0	1	2	3	0	1	2	1/0VF10	41048	895 x 545 x 51
0		2													2/0VF10	41049	895 x 795 x 51
1		2													2/1VF10	41050	1045 x 795 x 51
1		3													3/1VF10	41051	1045 x 1045 x 51
2		2													2/2VF10	41052	1195 x 795 x 51
2		3													3/2VF10	41053	1195 x 1045 x 51
4		2													2/4VF10	41054	1495 x 795 x 51
4		3													3/4VF10	41055	1495 x 1045 x 51
8		2													2/8VF10	41056	2095 x 795 x 51

Protective cover door VF, single-leaf

IP54

A2

F90

I90

E90

Overall height OH	Grid unit GU	Panels wide PW	Space units SU	Cabinet depth				Door hinge and ventilation				Cable entry			Type			Ord. No.	External dimensions H/W/D (mm)
								Unvent./vent.		Vent. w. Fan		Above	Below	Both					
				205	338	438	538	R 0	L 1	R 2	L 3	0	1	2					
0		1															1/0VF11	41061	895 x 545 x 71
0		2															2/0VF11	41062	895 x 795 x 71
1		2															2/1VF11	41063	1045 x 795 x 71
1		3															3/1VF11	41064	1045 x 1045 x 71
2		2															2/2VF11	41065	1195 x 795 x 71
2		3															3/2VF11	41066	1195 x 1045 x 71
4		2															2/4VF11	41067	1495 x 795 x 71
4		3															3/4VF11	41068	1495 x 1045 x 71
8		2															2/8VF11	41069	2095 x 795 x 71

Protective Cover Doors

Protective Cover Door, Double-Leaf



Protective cover door VF, double-leaf

IP54

Door depth with I30/E30 classification 51 mm

Door depth with I90/E90 classification 71 mm

A2**F30****I30****E30****F90****I90****E90**

Door for use in front of existing flush distribution systems

Function

- Material with A2 surface coating – fireproof, tested in accordance with DIN 4102 Part 1
- Fire resistance F30/F90, tested in accordance with DIN 4102 Part 2
- Check fire load I30/I90 in accordance with DIN 4102 Part 11
- Maintain functionality E30/E90 in accordance with DIN 4102 Part 12
- IP54 degree of protection
- Protection class II

Construction features

- Double-leaf door
- Door opening angle approx. 180° with F30 version, approx. 150° with F90 version
- Surrounding wall adjustment frame with fastening holes
- Doors open on frame
- Can be locked using metallic swivel handle, ready for use with DIN semi cylinder
- 2-point lock, operated via door closure rod
- Stainless steel hinges with removable pivot pin for removing the wing of the door
- Fastening material: Frame plugs and screws included in scope of delivery

Surface

- Light grey colour, similar to RAL7035, edges with contrasting colours
- High chemical resistance (surface characteristics conforming to EN 438-2)
- High mechanical stability and resistance, Brinell hardness 50 N/mm²
- High material density - 1450 kg/m³

Additional features/options

- Additional adjustment frames for greater coverage
- Various surface designs
- Metallic square pin lock

Protective Cover Doors

Protective Cover Door, Double-Leaf

Protective cover door VF, double-leaf

IP54

A2

F30

I30

E30

								Door hinge and ventilation									
								Unvent./vent.		Vent. w. Fan		Cable entry					
Overall height OH	Grid units GU	Panels wide PW	Space units SU	Cabinet depth				R	L	R	L	Above	Below	Both	Type	Ord. No.	External dimensions H/W/D (mm)
				205	334	434	534	0	1	2	3	0	1	2			
2		4													4/2VF20	41057	1195 x 1295 x 51
3		4													4/3VF20	41058	1345 x 1295 x 51
4		4													4/4VF20	41059	1495 x 1295 x 51
8		4													4/8VF20	41060	2095 x 1295 x 51

Protective cover door VF, double-leaf

IP54

A2

F90

I90

E90

Overall height OH	Grid units GU	Panels wide PW	Space units SU					Door hinge and ventilation				Cable entry			Type	Ord. No.	External dimensions H/W/D (mm)
								Unvent./vent.		Vent. w. Fan		Above	Below	Both			
				205	338	438	538	R 0	L 1	R 2	L 3	0	1	2			
2		4													4/2VF21	41070	1195 x 1295 x 71
3		4													4/3VF21	41071	1345 x 1295 x 71
4		4													4/4VF21	41072	1495 x 1295 x 71
8		4													4/8VF21	41073	2095 x 1295 x 71

Protective Cover Doors

Raising Frames

For single-leaf door

A2

F90

I90

E90

								Door hinge and ventilation									
								Unvent./vent.		Vent. w. Fan		Cable entry					
Overall height OH	Grid units GU	Panels wide PW	Space units SU	Cabinet depth				R	L	R	L	Above	Below	Both	Type	Ord. No.	External dimensions H/W/D (mm)
				230	332	432	532	0	1	2	3	0	1	2			
0		1													1/0EF11	41074	895 x 545 x 22
0		2													2/0EF11	41075	895 x 795 x 22
1		2													2/1EF11	41076	1045 x 795 x 22
1		3													3/1EF11	41077	1045 x 1045 x 22
2		2													2/2EF11	41078	1195 x 795 x 22
2		3													3/2EF11	41079	1195 x 1045 x 22
4		2													2/4EF11	41080	1495 x 795 x 22
4		3													3/4EF11	41081	1495 x 1045 x 22
8		2													2/8EVF1	41082	2095 x 795 x 22

For double-leaf door

A2

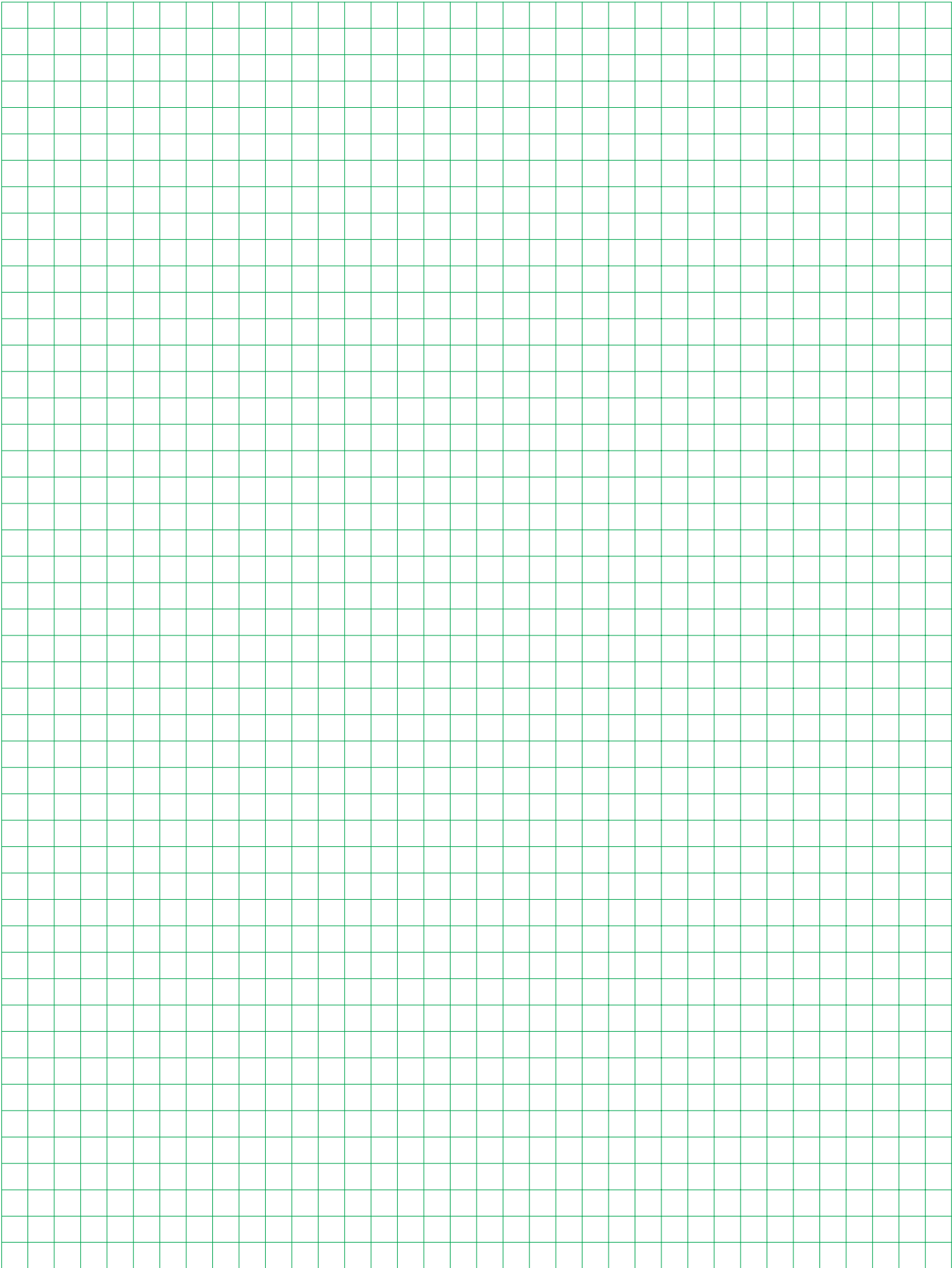
F90

I90

E90

								Door hinge and ventilation				Cable entry					
								Unvent./vent.		Vent. w. Fan							
Overall height OH	Grid unit GU	Panel width PW	Space unit SU	Cabinet depth				R	L	R	L	Above	Below	Both	Type	Ord. No.	External dimensions H/W/D (mm)
				230	332	432	532	0	1	2	3	0	1	2			
2		4													4/2EF21	41083	1195 x 1295 x 22
3		4													4/3EF21	41084	1345 x 1295 x 22
4		4													4/4EF21	41085	1495 x 1295 x 22
8		4													4/8EF21	41086	2095 x 1295 x 22

For your notes



Type Code/Configuration Example

Type code

Type 2/4AF3020

Panels wide (2 = PW2)

Overall height (4 = OH4)

Cabinet type (AF = surface mounted wall cabinet)

Fire protection (F)

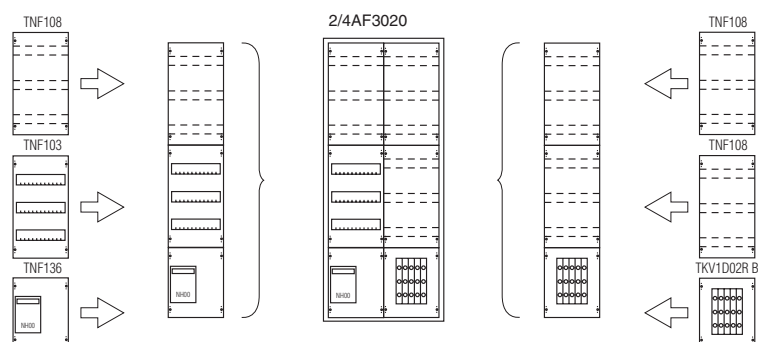
External cabinet depth (3 = 324 mm)

Door hinge and ventilation/door hinge right, ventilated (only unventilated in 1 panel wide cabinets)

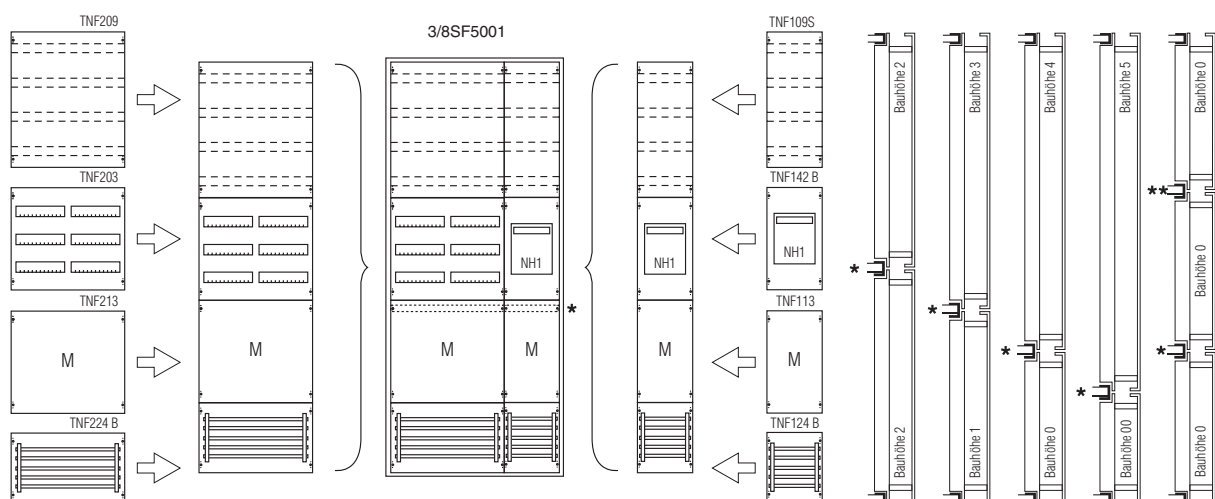
Cable entry/both top and bottom (0 = top/1 = bottom/2 = both)

Fire resistance duration/30 min. (0 = 30 min./1 = 90 min.)

Configuration example: Surface mounted wall cabinet AF



Configuration example: Floor standing cabinet SF



Note:
With TNF modular system panels, you must incorporate at least one panel division across the entire width of the panel in accordance with the overall height (= centre mounting rail).

* Centre mounting rail in 150 mm grid can be adjusted up and down

** Centre mounting rail and other mounting systems to be ordered separately as accessories

Fire Protection Cabinets

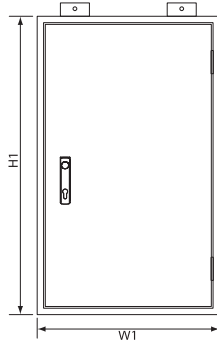
Overview: Dimensions, Weight, Power Loss

						IP30	IP31	IP41	IP43	IP54	IP55
66	Flush Mounted Wall Cabinet UF										
68	Surface Mounted Wall Cabinet AF										
76	Floor Standing Cabinet SF										
82	Enclosure Cabinet MF										
84	Wiring Cabinet RF										
86	Protective Cover Doors										

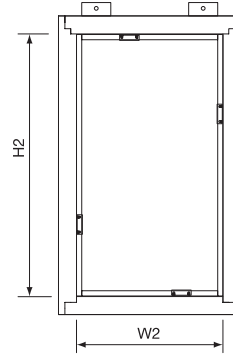
Flush Mounted Wall Cabinet, I30/E30 Classification *1/I90/E90 *1

Dimensions, Weight, Power Loss

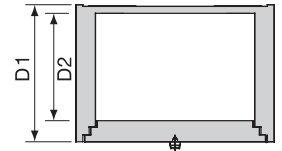
Front view



Interior view



Birds-eye view



A2

F30

I30

E30

Type	External dimensions (mm) H1 x W1 x D1	Internal dimensions (mm) H2 x W2 x D2	Weight kg	Permissible power loss (W)		
				Ventilation apertures		Fan
				Without	With	
1/0UF2020	682 x 332 x 205	600 x 250 x 138	41	11		
1/0UF2120	682 x 332 x 205	600 x 250 x 138	41	11		
2/0UF2020	682 x 582 x 205	600 x 500 x 138	58	22		
2/0UF2120	682 x 582 x 205	900 x 500 x 138	58	22		
1/2UF2020	982 x 332 x 205	900 x 250 x 138	55	16		
1/2UF2120	982 x 332 x 205	900 x 250 x 138	55	16		
2/2UF2020	982 x 582 x 205	900 x 500 x 138	80	32		
2/2UF2120	982 x 582 x 205	900 x 500 x 138	80	32		

A2

F90

I90

E90

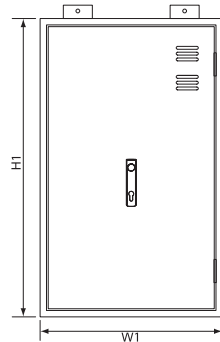
Type	External dimensions (mm) H1 x W1 x D1	Internal dimensions (mm) H2 x W2 x D2	Weight kg	Permissible power loss (W)		
				Ventilation apertures		Fan
				Without	With	
1/0UF2021	682 x 332 x 205	600 x 250 x 118	49	9		
1/0UF2121	682 x 332 x 205	600 x 250 x 118	49	9		
2/0UF2021	682 x 582 x 205	600 x 500 x 118	70	19		
2/0UF2121	682 x 582 x 205	600 x 500 x 118	70	19		
1/2UF2021	982 x 332 x 205	900 x 250 x 118	67	14		
1/2UF2121	982 x 332 x 205	900 x 250 x 118	67	14		
2/2UF2021	982 x 582 x 205	900 x 500 x 118	99	28		
2/2UF2121	982 x 582 x 205	900 x 500 x 118	99	28		

*1 A cable cooling unit is required for E30 to maintain functionality (see page 39)

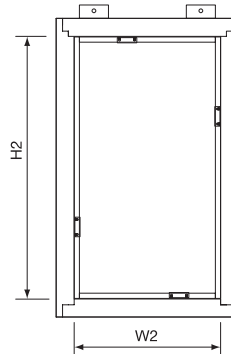
Surface Mounted Wall Cabinet, I30/E30 Classification*1

Dimensions, Weight, Power Loss

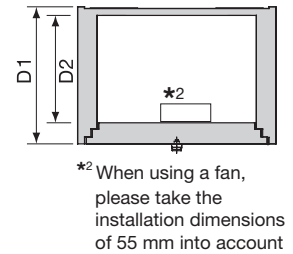
Front view



Interior view



Birds-eye view



F30

I30

E30

Type	External dimensions (mm)	Internal dimensions (mm)	Weight	Permissible power loss (W)		
				Ventilation apertures		Fan
				Without	With	
1/000A3000	424 x 374 x 334	300 x 250 x 240	36	9		
1/000A3100	424 x 374 x 334	300 x 250 x 240	36	9		
1/000A3010	424 x 374 x 334	300 x 250 x 240	36	9		
1/000A3110	424 x 374 x 334	300 x 250 x 240	36	9		
1/000A3020	424 x 374 x 334	300 x 250 x 240	36	9		
1/000A3120	424 x 374 x 334	300 x 250 x 240	36	9		
1/00A3000	574 x 374 x 334	450 x 250 x 240	46	14		
1/00A3100	574 x 374 x 334	450 x 250 x 240	46	14		
1/00A3010	574 x 374 x 334	450 x 250 x 240	46	14		
1/00A3110	574 x 374 x 334	450 x 250 x 240	46	14		
1/00A3020	574 x 374 x 334	450 x 250 x 240	46	14		
1/00A3120	574 x 374 x 334	450 x 250 x 240	46	14		
2/00A3000	574 x 624 x 334	450 x 500 x 240	67	28	31	64
2/00A3100	574 x 624 x 334	450 x 500 x 240	67	28	31	64
2/00A3200	574 x 624 x 334	450 x 500 x 240	67	28	31	64
2/00A3300	574 x 624 x 334	450 x 500 x 240	67	28	31	64
2/00A3010	574 x 624 x 334	450 x 500 x 240	67	28	31	64
2/00A3110	574 x 624 x 334	450 x 500 x 240	67	28	31	64
2/00A3210	574 x 624 x 334	450 x 500 x 240	67	28	31	64
2/00A3310	574 x 624 x 334	450 x 500 x 240	67	28	31	64
2/00A3020	574 x 624 x 334	450 x 500 x 240	67	28	31	64
2/00A3120	574 x 624 x 334	450 x 500 x 240	67	28	31	64
2/00A3220	574 x 624 x 334	450 x 500 x 240	67	28	31	64
2/00A3320	574 x 624 x 334	450 x 500 x 240	67	28	31	64
1/0AF3000	724 X 374 x 334	600 x 250 x 240	55	19		
1/0AF3100	724 X 374 x 334	600 x 250 x 240	55	19		
1/0AF3010	724 X 374 x 334	600 x 250 x 240	55	19		
1/0AF3110	724 X 374 x 334	600 x 250 x 240	55	19		
1/0AF3020	724 X 374 x 334	600 x 250 x 240	55	19		
1/0AF3120	724 X 374 x 334	600 x 250 x 240	55	19		
2/0AF3000	724 x 624 x 334	600 x 500 x 240	81	38	41	85
2/0AF3100	724 x 624 x 334	600 x 500 x 240	81	38	41	85
2/0AF3200	724 x 624 x 334	600 x 500 x 240	81	38	41	85
2/0AF3300	724 x 624 x 334	600 x 500 x 240	81	38	41	85
2/0AF3010	724 x 624 x 334	600 x 500 x 240	81	38	41	85
2/0AF3110	724 x 624 x 334	600 x 500 x 240	81	38	41	85
2/0AF3210	724 x 624 x 334	600 x 500 x 240	81	38	41	85
2/0AF3310	724 x 624 x 334	600 x 500 x 240	81	38	41	85
2/0AF3020	724 x 624 x 334	600 x 500 x 240	81	38	41	85
2/0AF3120	724 x 624 x 334	600 x 500 x 240	81	38	41	85
2/0AF3220	724 x 624 x 334	600 x 500 x 240	81	38	41	85
2/0AF3320	724 x 624 x 334	600 x 500 x 240	81	38	41	85

*1 A cable cooling unit is required for E30 to maintain functionality (see page 39)

Surface Mounted Wall Cabinet, I30/E30 Classification*1

Dimensions, Weight, Power Loss

A2

F30

I30

E30

Type	External dimensions (mm)	Internal dimensions (mm)	Weight	Permissible power loss (W)		
				Ventilation apertures		Fan
				Without	With	
2/1AF3020	874 x 624 x 334	750 x 500 x 240	94	47	52	106
2/1AF3120	874 x 624 x 334	750 x 500 x 240	94	47	52	106
2/1AF3220	874 x 624 x 334	750 x 500 x 240	94	47	52	106
2/1AF3320	874 x 624 x 334	750 x 500 x 240	94	47	52	106
1/2AF3000	1024 x 374 x 334	900 x 250 x 240	74	28		
1/2AF3100	1024 x 374 x 334	900 x 250 x 240	74	28		
1/2AF3010	1024 x 374 x 334	900 x 250 x 240	74	28		
1/2AF3110	1024 x 374 x 334	900 x 250 x 240	74	28		
1/2AF3020	1024 x 374 x 334	900 x 250 x 240	74	28		
1/2AF3120	1024 x 374 x 334	900 x 250 x 240	74	28		
2/2AF3000	1024 x 624 x 334	900 x 500 x 240	108	56	62	127
2/2AF3100	1024 x 624 x 334	900 x 500 x 240	108	56	62	127
2/2AF3200	1024 x 624 x 334	900 x 500 x 240	108	56	62	127
2/2AF3300	1024 x 624 x 334	900 x 500 x 240	108	56	62	127
2/2AF3010	1024 x 624 x 334	900 x 500 x 240	108	56	62	127
2/2AF3110	1024 x 624 x 334	900 x 500 x 240	108	56	62	127
2/2AF3210	1024 x 624 x 334	900 x 500 x 240	108	56	62	127
2/2AF3310	1024 x 624 x 334	900 x 500 x 240	108	56	62	127
2/2AF3020	1024 x 624 x 334	900 x 500 x 240	108	56	62	127
2/2AF3120	1024 x 624 x 334	900 x 500 x 240	108	56	62	127
2/2AF3220	1024 x 624 x 334	900 x 500 x 240	108	56	62	127
2/2AF3320	1024 x 624 x 334	900 x 500 x 240	108	56	62	127
3/2AF3000	1024 x 874 x 334	900 x 750 x 240	142	85	93	191
3/2AF3100	1024 x 874 x 334	900 x 750 x 240	142	85	93	191
3/2AF3200	1024 x 874 x 334	900 x 750 x 240	142	85	93	191
3/2AF3300	1024 x 874 x 334	900 x 750 x 240	142	85	93	191
3/2AF3010	1024 x 874 x 334	900 x 750 x 240	142	85	93	191
3/2AF3110	1024 x 874 x 334	900 x 750 x 240	142	85	93	191
3/2AF3210	1024 x 874 x 334	900 x 750 x 240	142	85	93	191
3/2AF3310	1024 x 874 x 334	900 x 750 x 240	142	85	93	191
3/2AF3020	1024 x 874 x 334	900 x 750 x 240	142	85	93	191
3/2AF3120	1024 x 874 x 334	900 x 750 x 240	142	85	93	191
3/2AF3220	1024 x 874 x 334	900 x 750 x 240	142	85	93	191
3/2AF3320	1024 x 874 x 334	900 x 750 x 240	142	85	93	191
1/4AF3000	1324 x 374 x 334	1200 x 250 x 240	93	38		
1/4AF3100	1324 x 374 x 334	1200 x 250 x 240	93	38		
1/4AF3010	1324 x 374 x 334	1200 x 250 x 240	93	38		
1/4AF3110	1324 x 374 x 334	1200 x 250 x 240	93	38		
1/4AF3020	1324 x 374 x 334	1200 x 250 x 240	93	38		
1/4AF3120	1324 x 374 x 334	1200 x 250 x 240	93	38		
2/4AF3000	1324 x 624 x 334	1200 x 500 x 240	135	75	83	169
2/4AF3100	1324 x 624 x 334	1200 x 500 x 240	135	75	83	169
2/4AF3200	1324 x 624 x 334	1200 x 500 x 240	135	75	83	169
2/4AF3300	1324 x 624 x 334	1200 x 500 x 240	135	75	83	169
2/4AF3010	1324 x 624 x 334	1200 x 500 x 240	135	75	83	169
2/4AF3110	1324 x 624 x 334	1200 x 500 x 240	135	75	83	169
2/4AF3210	1324 x 624 x 334	1200 x 500 x 240	135	75	83	169
2/4AF3310	1324 x 624 x 334	1200 x 500 x 240	135	75	83	169
2/4AF3020	1324 x 624 x 334	1200 x 500 x 240	135	75	83	169
2/4AF3120	1324 x 624 x 334	1200 x 500 x 240	135	75	83	169
2/4AF3220	1324 x 624 x 334	1200 x 500 x 240	135	75	83	169
2/4AF3320	1324 x 624 x 334	1200 x 500 x 240	135	75	83	169

Surface Mounted Wall Cabinet, I30/E30 Classification*1

Dimensions, Weight, Power Loss

A2

F30

I30

E30

Type	Permissible power loss (W)					
	External dimensions (mm) H1 x W1 x D1	Internal dimensions (mm) H2 x W2 x D2	Weight kg	Ventilation apertures		
				Without	With	Fan
1/0AF4000	724 x 374 x 434	600 x 250 x 340	71	27		
1/0AF4100	724 x 374 x 434	600 x 250 x 340	71	27		
1/0AF4010	724 x 374 x 434	600 x 250 x 340	71	27		
1/0AF4110	724 x 374 x 434	600 x 250 x 340	71	27		
1/0AF4020	724 x 374 x 434	600 x 250 x 340	71	27		
1/0AF4120	724 x 374 x 434	600 x 250 x 340	71	27		
2/0AF4000	724 x 624 x 434	600 x 500 x 340	71	27		
2/0AF4100	724 x 624 x 434	600 x 500 x 340	100	53	59	120
2/0AF4200	724 x 624 x 434	600 x 500 x 340	100	53	59	120
2/0AF4300	724 x 624 x 434	600 x 500 x 340	100	53	59	120
2/0AF4010	724 x 624 x 434	600 x 500 x 340	100	53	59	120
2/0AF4110	724 x 624 x 434	600 x 500 x 340	100	53	59	120
2/0AF4210	724 x 624 x 434	600 x 500 x 340	100	53	59	120
2/0AF4310	724 x 624 x 434	600 x 500 x 340	100	53	59	120
2/0AF4020	724 x 624 x 434	600 x 500 x 340	100	53	59	120
2/0AF4120	724 x 624 x 434	600 x 500 x 340	100	53	59	120
2/0AF4220	724 x 624 x 434	600 x 500 x 340	100	53	59	120
2/0AF4320	724 x 624 x 434	600 x 500 x 340	100	53	59	120
1/1AF4000	874 x 374 x 434	750 x 250 x 340	83	33		
1/1AF4100	874 x 374 x 434	750 x 250 x 340	83	33		
1/1AF4010	874 x 374 x 434	750 x 250 x 340	83	33		
1/1AF4110	874 x 374 x 434	750 x 250 x 340	83	33		
1/1AF4020	874 x 374 x 434	750 x 250 x 340	83	33		
1/1AF4120	874 x 374 x 434	750 x 250 x 340	83	33		
2/1AF4000	874 x 624 x 434	750 x 500 x 340	116	67	73	150
2/1AF4100	874 x 624 x 434	750 x 500 x 340	116	67	73	150
2/1AF4200	874 x 624 x 434	750 x 500 x 340	116	67	73	150
2/1AF4300	874 x 624 x 434	750 x 500 x 340	116	67	73	150
2/1AF4010	874 x 624 x 434	750 x 500 x 340	116	67	73	150
2/1AF4110	874 x 624 x 434	750 x 500 x 340	116	67	73	150
2/1AF4210	874 x 624 x 434	750 x 500 x 340	116	67	73	150
2/1AF4310	874 x 624 x 434	750 x 500 x 340	116	67	73	150
2/1AF4020	874 x 624 x 434	750 x 500 x 340	116	67	73	150
2/1AF4120	874 x 624 x 434	750 x 500 x 340	116	67	73	150
2/1AF4220	874 x 624 x 434	750 x 500 x 340	116	67	73	150
2/1AF4320	874 x 624 x 434	750 x 500 x 340	116	67	73	150
1/2AF4000	1024 x 374 x 434	900 x 250 x 340	94	40		
1/2AF4100	1024 x 374 x 434	900 x 250 x 340	94	40		
1/2AF4010	1024 x 374 x 434	900 x 250 x 340	94	40		
1/2AF4110	1024 x 374 x 434	900 x 250 x 340	94	40		
1/2AF4020	1024 x 374 x 434	900 x 250 x 340	94	40		
1/2AF4120	1024 x 374 x 434	900 x 250 x 340	94	40		
2/2AF4000	1024 x 624 x 434	900 x 500 x 340	132	80	88	180
2/2AF4100	1024 x 624 x 434	900 x 500 x 340	132	80	88	180
2/2AF4200	1024 x 624 x 434	900 x 500 x 340	132	80	88	180
2/2AF4300	1024 x 624 x 434	900 x 500 x 340	132	80	88	180
2/2AF4010	1024 x 624 x 434	900 x 500 x 340	132	80	88	180
2/2AF4110	1024 x 624 x 434	900 x 500 x 340	132	80	88	180
2/2AF4210	1024 x 624 x 434	900 x 500 x 340	132	80	88	180
2/2AF4310	1024 x 624 x 434	900 x 500 x 340	132	80	88	180
2/2AF4020	1024 x 624 x 434	900 x 500 x 340	132	80	88	180
2/2AF4120	1024 x 624 x 434	900 x 500 x 340	132	80	88	180
2/2AF4220	1024 x 624 x 434	900 x 500 x 340	132	80	88	180
2/2AF4320	1024 x 624 x 434	900 x 500 x 340	132	80	88	180
3/2AF4000	1024 x 874 x 434	900 x 750 x 340	169	120	132	270
3/2AF4100	1024 x 874 x 434	900 x 750 x 340	169	120	132	270
3/2AF4200	1024 x 874 x 434	900 x 750 x 340	169	120	132	270
3/2AF4300	1024 x 874 x 434	900 x 750 x 340	169	120	132	270
3/2AF4010	1024 x 874 x 434	900 x 750 x 340	169	120	132	270
3/2AF4110	1024 x 874 x 434	900 x 750 x 340	169	120	132	270

*1 A cable cooling unit is required for E30 to maintain functionality (see page 39)

Surface Mounted Wall Cabinet, I30/E30 Classification*¹

Dimensions, Weight, Power Loss

A2
F30
I30
E30

Type	Permissible power loss (W)					
	External dimensions (mm) H1 x W1 x D1	Internal dimensions (mm) H2 x W2 x D2	Weight kg	Ventilation apertures		Fan
				Without	With	
3/2AF4210	1024 x 874 x 434	900 x 750 x 340	169	120	132	270
3/2AF4310	1024 x 874 x 434	900 x 750 x 340	169	120	132	270
3/2AF4020	1024 x 874 x 434	900 x 750 x 340	169	120	132	270
3/2AF4120	1024 x 874 x 434	900 x 750 x 340	169	120	132	270
3/2AF4220	1024 x 874 x 434	900 x 750 x 340	169	120	132	270
3/2AF4320	1024 x 874 x 434	900 x 750 x 340	169	120	132	270
1/4AF4000	1324 x 374 x 434	1200 x 250 x 340	118	53		
1/4AF4100	1324 x 374 x 434	1200 x 250 x 340	118	53		
1/4AF4010	1324 x 374 x 434	1200 x 250 x 340	118	53		
1/4AF4110	1324 x 374 x 434	1200 x 250 x 340	118	53		
1/4AF4020	1324 x 374 x 434	1200 x 250 x 340	118	53		
1/4AF4120	1324 x 374 x 434	1200 x 250 x 340	118	53		
2/4AF4000	1324 x 624 x 434	1200 x 500 x 340	164	107	117	240
2/4AF4100	1324 x 624 x 434	1200 x 500 x 340	164	107	117	240
2/4AF4200	1324 x 624 x 434	1200 x 500 x 340	164	107	117	240
2/4AF4300	1324 x 624 x 434	1200 x 500 x 340	164	107	117	240
2/4AF4010	1324 x 624 x 434	1200 x 500 x 340	164	107	117	240
2/4AF4110	1324 x 624 x 434	1200 x 500 x 340	164	107	117	240
2/4AF4210	1324 x 624 x 434	1200 x 500 x 340	164	107	117	240
2/4AF4310	1324 x 624 x 434	1200 x 500 x 340	164	107	117	240
2/4AF4020	1324 x 624 x 434	1200 x 500 x 340	164	107	117	240
2/4AF4120	1324 x 624 x 434	1200 x 500 x 340	164	107	117	240
2/4AF4220	1324 x 624 x 434	1200 x 500 x 340	164	107	117	240
2/4AF4320	1324 x 624 x 434	1200 x 500 x 340	164	107	117	240

*¹ A cable cooling unit is required for E30 to maintain functionality (see page 39)

Surface Mounted Wall Cabinet, I90/E90 Classification*1

Dimensions, Weight, Power Loss

A2

F90

I90

E90

Type	External dimensions (mm)	Internal dimensions (mm)	Weight	Permissible power loss (W)		
				Ventilation apertures		Fan
				Without	With	
1/000A3001	428 x 378 x 338	300 x 250 x 240	38	9		
1/000A3101	428 x 378 x 338	300 x 250 x 240	38	9		
1/000A3011	428 x 378 x 338	300 x 250 x 240	38	9		
1/000A3111	428 x 378 x 338	300 x 250 x 240	38	9		
1/000A3021	428 x 378 x 338	300 x 250 x 240	38	9		
1/000A3121	428 x 378 x 338	300 x 250 x 240	38	9		
1/00A3001	578 x 378 x 338	450 x 250 x 240	38	14		
1/00A3101	578 x 378 x 338	450 x 250 x 240	38	14		
1/00A3011	578 x 378 x 338	450 x 250 x 240	38	14		
1/00A3111	578 x 378 x 338	450 x 250 x 240	38	14		
1/00A3021	578 x 378 x 338	450 x 250 x 240	38	14		
1/00A3121	578 x 378 x 338	450 x 250 x 240	38	14		
2/00A3001	578 x 628 x 338	450 x 500 x 240	48	28	31	64
2/00A3101	578 x 628 x 338	450 x 500 x 240	48	28	31	64
2/00A3201	578 x 628 x 338	450 x 500 x 240	48	28	31	64
2/00A3301	578 x 628 x 338	450 x 500 x 240	48	28	31	64
2/00A3011	578 x 628 x 338	450 x 500 x 240	48	28	31	64
2/00A3111	578 x 628 x 338	450 x 500 x 240	48	28	31	64
2/00A3211	578 x 628 x 338	450 x 500 x 240	48	28	31	64
2/00A3311	578 x 628 x 338	450 x 500 x 240	48	28	31	64
2/00A3021	578 x 628 x 338	450 x 500 x 240	48	28	31	64
2/00A3121	578 x 628 x 338	450 x 500 x 240	48	28	31	64
2/00A3221	578 x 628 x 338	450 x 500 x 240	48	28	31	64
2/00A3321	578 x 628 x 338	450 x 500 x 240	48	28	31	64
1/0AF3001	728 x 378 x 338	600 x 250 x 240	58	19		
1/0AF3101	728 x 378 x 338	600 x 250 x 240	58	19		
1/0AF3011	728 x 378 x 338	600 x 250 x 240	58	19		
1/0AF3111	728 x 378 x 338	600 x 250 x 240	58	19		
1/0AF3021	728 x 378 x 338	600 x 250 x 240	58	19		
1/0AF3121	728 x 378 x 338	600 x 250 x 240	58	19		
2/0AF3001	728 x 628 x 338	600 x 500 x 240	85	38	41	85
2/0AF3101	728 x 628 x 338	600 x 500 x 240	85	38	41	85
2/0AF3201	728 x 628 x 338	600 x 500 x 240	85	38	41	85
2/0AF3301	728 x 628 x 338	600 x 500 x 240	85	38	41	85
2/0AF3011	728 x 628 x 338	600 x 500 x 240	85	38	41	85
2/0AF3111	728 x 628 x 338	600 x 500 x 240	85	38	41	85
2/0AF3211	728 x 628 x 338	600 x 500 x 240	85	38	41	85
2/0AF3311	728 x 628 x 338	600 x 500 x 240	85	38	41	85
2/0AF3021	728 x 628 x 338	600 x 500 x 240	85	38	41	85
2/0AF3121	728 x 628 x 338	600 x 500 x 240	85	38	41	85
2/0AF3221	728 x 628 x 338	600 x 500 x 240	85	38	41	85
2/0AF3321	728 x 628 x 338	600 x 500 x 240	85	38	41	85
1/1AF3001	878 x 378 x 338	750 x 250 x 240	68	24		
1/1AF3101	878 x 378 x 338	750 x 250 x 240	68	24		
1/1AF3011	878 x 378 x 338	750 x 250 x 240	68	24		
1/1AF3111	878 x 378 x 338	750 x 250 x 240	68	24		
1/1AF3021	878 x 378 x 338	750 x 250 x 240	68	24		
1/1AF3121	878 x 378 x 338	750 x 250 x 240	68	24		
2/1AF3001	878 x 628 x 338	750 x 500 x 240	99	47	52	106
2/1AF3101	878 x 628 x 338	750 x 500 x 240	99	47	52	106
2/1AF3201	878 x 628 x 338	750 x 500 x 240	99	47	52	106
2/1AF3301	878 x 628 x 338	750 x 500 x 240	99	47	52	106
2/1AF3011	878 x 628 x 338	750 x 500 x 240	99	47	52	106
2/1AF3111	878 x 628 x 338	750 x 500 x 240	99	47	52	106
2/1AF3211	878 x 628 x 338	750 x 500 x 240	99	47	52	106
2/1AF3311	878 x 628 x 338	750 x 500 x 240	99	47	52	106
2/1AF3021	878 x 628 x 338	750 x 500 x 240	99	47	52	106
2/1AF3121	878 x 628 x 338	750 x 500 x 240	99	47	52	106
2/1AF3221	878 x 628 x 338	750 x 500 x 240	99	47	52	106
2/1AF3321	878 x 628 x 338	750 x 500 x 240	99	47	52	106

*1 A cable cooling unit is required for E90 to maintain functionality (see page 39)

Surface Mounted Wall Cabinet, I90/E90 Classification*¹

Dimensions, Weight, Power Loss



Type	Permissible power loss (W)					
	External dimensions (mm) H1 x W1 x D1	Internal dimensions (mm) H2 x W2 x D2	Weight kg	Ventilation apertures		
				Without	With	Fan
1/2AF3001	1028 x 378 x 338	900 x 250 x 240	78	28		
1/2AF3101	1028 x 378 x 338	900 x 250 x 240	78	28		
1/2AF3011	1028 x 378 x 338	900 x 250 x 240	78	28		
1/2AF3111	1028 x 378 x 338	900 x 250 x 240	78	28		
1/2AF3021	1028 x 378 x 338	900 x 250 x 240	78	28		
1/2AF3121	1028 x 378 x 338	900 x 250 x 240	78	28		
2/2AF3001	1028 x 628 x 338	900 x 500 x 240	113	56	62	127
2/2AF3101	1028 x 628 x 338	900 x 500 x 240	113	56	62	127
2/2AF3201	1028 x 628 x 338	900 x 500 x 240	113	56	62	127
2/2AF3301	1028 x 628 x 338	900 x 500 x 240	113	56	62	127
2/2AF3011	1028 x 628 x 338	900 x 500 x 240	113	56	62	127
2/2AF3111	1028 x 628 x 338	900 x 500 x 240	113	56	62	127
2/2AF3211	1028 x 628 x 338	900 x 500 x 240	113	56	62	127
2/2AF3311	1028 x 628 x 338	900 x 500 x 240	113	56	62	127
2/2AF3021	1028 x 628 x 338	900 x 500 x 240	113	56	62	127
2/2AF3121	1028 x 628 x 338	900 x 500 x 240	113	56	62	127
2/2AF3221	1028 x 628 x 338	900 x 500 x 240	113	56	62	127
2/2AF3321	1028 x 628 x 338	900 x 500 x 240	113	56	62	127
3/2AF3001	1028 x 878 x 338	900 x 750 x 240	149	85	93	191
3/2AF3101	1028 x 878 x 338	900 x 750 x 240	149	85	93	191
3/2AF3201	1028 x 878 x 338	900 x 750 x 240	149	85	93	191
3/2AF3301	1028 x 878 x 338	900 x 750 x 240	149	85	93	191
3/2AF3011	1028 x 878 x 338	900 x 750 x 240	149	85	93	191
3/2AF3111	1028 x 878 x 338	900 x 750 x 240	149	85	93	191
3/2AF3211	1028 x 878 x 338	900 x 750 x 240	149	85	93	191
3/2AF3311	1028 x 878 x 338	900 x 750 x 240	149	85	93	191
3/2AF3021	1028 x 878 x 338	900 x 750 x 240	149	85	93	191
3/2AF3121	1028 x 878 x 338	900 x 750 x 240	149	85	93	191
3/2AF3221	1028 x 878 x 338	900 x 750 x 240	149	85	93	191
3/2AF3321	1028 x 878 x 338	900 x 750 x 240	149	85	93	191
1/4AF3001	1328 x 378 x 338	1200 x 250 x 240	98	38		
1/4AF3101	1328 x 378 x 338	1200 x 250 x 240	98	38		
1/4AF3011	1328 x 378 x 338	1200 x 250 x 240	98	38		
1/4AF3111	1328 x 378 x 338	1200 x 250 x 240	98	38		
1/4AF3021	1328 x 378 x 338	1200 x 250 x 240	98	38		
1/4AF3121	1328 x 378 x 338	1200 x 250 x 240	98	38		
2/4AF3001	1328 x 628 x 338	1200 x 500 x 240	142	75	83	169
2/4AF3101	1328 x 628 x 338	1200 x 500 x 240	142	75	83	169
2/4AF3201	1328 x 628 x 338	1200 x 500 x 240	142	75	83	169
2/4AF3301	1328 x 628 x 338	1200 x 500 x 240	142	75	83	169
2/4AF3011	1328 x 628 x 338	1200 x 500 x 240	142	75	83	169
2/4AF3111	1328 x 628 x 338	1200 x 500 x 240	142	75	83	169
2/4AF3211	1328 x 628 x 338	1200 x 500 x 240	142	75	83	169
2/4AF3311	1328 x 628 x 338	1200 x 500 x 240	142	75	83	169
2/4AF3021	1328 x 628 x 338	1200 x 500 x 240	142	75	83	169
2/4AF3121	1328 x 628 x 338	1200 x 500 x 240	142	75	83	169
2/4AF3221	1328 x 628 x 338	1200 x 500 x 240	142	75	83	169
2/4AF3321	1328 x 628 x 338	1200 x 500 x 240	142	75	83	169

*¹ A cable cooling unit is required for E90 to maintain functionality (see page 39)

Surface Mounted Wall Cabinet, I90/E90 Classification*1

Dimensions, Weight, Power Loss

A2

F90

I90

E90

Type	Permissible power loss (W)					
	External dimensions (mm) H1 x W1 x D1	Internal dimensions (mm) H2 x W2 x D2	Weight kg	Ventilation apertures		
				Without	With	Fan
1/0AF4001	728 x 378 x 438	600 x 250 x 340	75	27		
1/0AF4101	728 x 378 x 438	600 x 250 x 340	75	27		
1/0AF4011	728 x 378 x 438	600 x 250 x 340	75	27		
1/0AF4111	728 x 378 x 438	600 x 250 x 340	75	27		
1/0AF4021	728 x 378 x 438	600 x 250 x 340	75	27		
1/0AF4121	728 x 378 x 438	600 x 250 x 340	75	27		
2/0AF4001	728 x 628 x 438	600 x 500 x 340	105	53	59	120
2/0AF4101	728 x 628 x 438	600 x 500 x 340	105	53	59	120
2/0AF4201	728 x 628 x 438	600 x 500 x 340	105	53	59	120
2/0AF4301	728 x 628 x 438	600 x 500 x 340	105	53	59	120
2/0AF4011	728 x 628 x 438	600 x 500 x 340	105	53	59	120
2/0AF4111	728 x 628 x 438	600 x 500 x 340	105	53	59	120
2/0AF4211	728 x 628 x 438	600 x 500 x 340	105	53	59	120
2/0AF4311	728 x 628 x 438	600 x 500 x 340	105	53	59	120
2/0AF4021	728 x 628 x 438	600 x 500 x 340	105	53	59	120
2/0AF4121	728 x 628 x 438	600 x 500 x 340	105	53	59	120
2/0AF4221	728 x 628 x 438	600 x 500 x 340	105	53	59	120
2/0AF4321	728 x 628 x 438	600 x 500 x 340	105	53	59	120
1/1AF4001	878 x 378 x 438	750 x 250 x 340	87	33		
1/1AF4101	878 x 378 x 438	750 x 250 x 340	87	33		
1/1AF4011	878 x 378 x 438	750 x 250 x 340	87	33		
1/1AF4111	878 x 378 x 438	750 x 250 x 340	87	33		
1/1AF4021	878 x 378 x 438	750 x 250 x 340	87	33		
1/1AF4121	878 x 378 x 438	750 x 250 x 340	87	33		
2/1AF4001	878 x 628 x 438	750 x 500 x 340	122	67	73	150
2/1AF4101	878 x 628 x 438	750 x 500 x 340	122	67	73	150
2/1AF4201	878 x 628 x 438	750 x 500 x 340	122	67	73	150
2/1AF4301	878 x 628 x 438	750 x 500 x 340	122	67	73	150
2/1AF4011	878 x 628 x 438	750 x 500 x 340	122	67	73	150
2/1AF4111	878 x 628 x 438	750 x 500 x 340	122	67	73	150
2/1AF4211	878 x 628 x 438	750 x 500 x 340	122	67	73	150
2/1AF4311	878 x 628 x 438	750 x 500 x 340	122	67	73	150
2/1AF4021	878 x 628 x 438	750 x 500 x 340	122	67	73	150
2/1AF4121	878 x 628 x 438	750 x 500 x 340	122	67	73	150
2/1AF4221	878 x 628 x 438	750 x 500 x 340	122	67	73	150
2/1AF4321	878 x 628 x 438	750 x 500 x 340	122	67	73	150
1/2AF4001	1028 x 378 x 438	900 x 250 x 350	99	40		
1/2AF4101	1028 x 378 x 438	900 x 250 x 350	99	40		
1/2AF4011	1028 x 378 x 438	900 x 250 x 350	99	40		
1/2AF4111	1028 x 378 x 438	900 x 250 x 350	99	40		
1/2AF4021	1028 x 378 x 438	900 x 250 x 350	99	40		
1/2AF4121	1028 x 378 x 438	900 x 250 x 350	99	40		
2/2AF4001	1028 x 628 x 438	900 x 500 x 340	139	80	88	180
2/2AF4101	1028 x 628 x 438	900 x 500 x 340	139	80	88	180
2/2AF4201	1028 x 628 x 438	900 x 500 x 340	139	80	88	180
2/2AF4301	1028 x 628 x 438	900 x 500 x 340	139	80	88	180
2/2AF4011	1028 x 628 x 438	900 x 500 x 340	139	80	88	180
2/2AF4111	1028 x 628 x 438	900 x 500 x 340	139	80	88	180
2/2AF4211	1028 x 628 x 438	900 x 500 x 340	139	80	88	180
2/2AF4311	1028 x 628 x 438	900 x 500 x 340	139	80	88	180
2/2AF4021	1028 x 628 x 438	900 x 500 x 340	139	80	88	180
2/2AF4121	1028 x 628 x 438	900 x 500 x 340	139	80	88	180
2/2AF4221	1028 x 628 x 438	900 x 500 x 340	139	80	88	180
2/2AF4321	1028 x 628 x 438	900 x 500 x 340	139	80	88	180

*1 A cable cooling unit is required for E90 to maintain functionality (see page 39)

Surface Mounted Wall Cabinet, I90/E90 Classification*¹

Dimensions, Weight, Power Loss

A2

F90

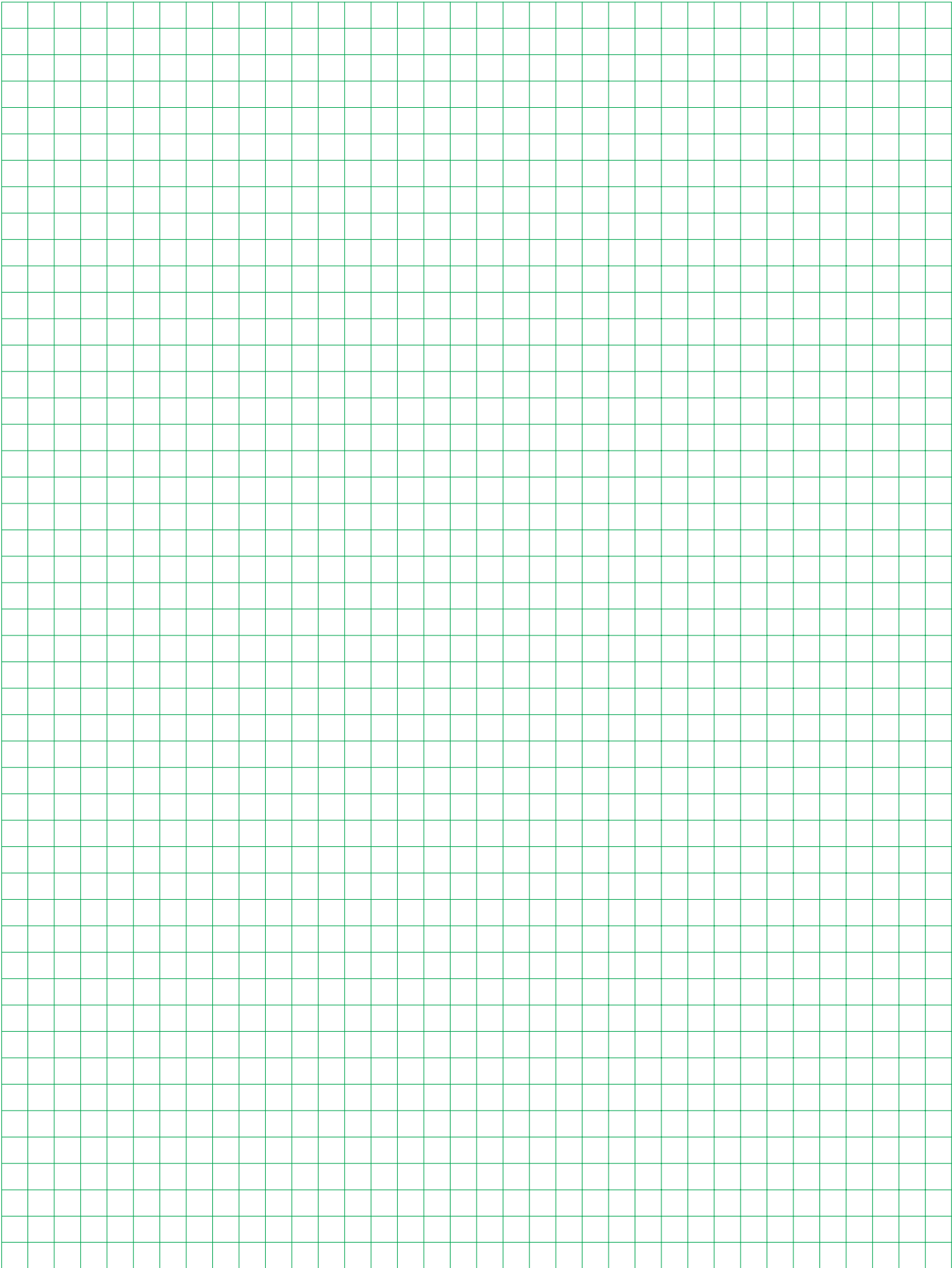
I90

E90

Type	Permissible power loss (W)					
	External dimensions (mm) H1 x W1 x D1	Internal dimensions (mm) H2 x W2 x D2	Weight kg	Ventilation apertures		Fan
				Without	With	
3/2AF4001	1028 x 878 x 438	900 x 750 x 340	177	120	132	270
3/2AF4101	1028 x 878 x 438	900 x 750 x 340	177	120	132	270
3/2AF4201	1028 x 878 x 438	900 x 750 x 340	177	120	132	270
3/2AF4301	1028 x 878 x 438	900 x 750 x 340	177	120	132	270
3/2AF4011	1028 x 878 x 438	900 x 750 x 340	177	120	132	270
3/2AF4111	1028 x 878 x 438	900 x 750 x 340	177	120	132	270
3/2AF4211	1028 x 878 x 438	900 x 750 x 340	177	120	132	270
3/2AF4311	1028 x 878 x 438	900 x 750 x 340	177	120	132	270
3/2AF4021	1028 x 878 x 438	900 x 750 x 340	177	120	132	270
3/2AF4121	1028 x 878 x 438	900 x 750 x 340	177	120	132	270
3/2AF4221	1028 x 878 x 438	900 x 750 x 340	177	120	132	270
3/2AF4321	1028 x 878 x 438	900 x 750 x 340	177	120	132	270
1/4AF4001	1328 x 378 x 438	1200 x 250 x 340	96	53		
1/4AF4101	1328 x 378 x 438	1200 x 250 x 340	96	53		
1/4AF4011	1328 x 378 x 438	1200 x 250 x 340	96	53		
1/4AF4111	1328 x 378 x 438	1200 x 250 x 340	96	53		
1/4AF4021	1328 x 378 x 438	1200 x 250 x 340	96	53		
1/4AF4121	1328 x 378 x 438	1200 x 250 x 340	96	53		
2/4AF4001	1328 x 628 x 438	1200 x 500 x 340	172	107	117	240
2/4AF4101	1328 x 628 x 438	1200 x 500 x 340	172	107	117	240
2/4AF4201	1328 x 628 x 438	1200 x 500 x 340	172	107	117	240
2/4AF4301	1328 x 628 x 438	1200 x 500 x 340	172	107	117	240
2/4AF4011	1328 x 628 x 438	1200 x 500 x 340	172	107	117	240
2/4AF4111	1328 x 628 x 438	1200 x 500 x 340	172	107	117	240
2/4AF4211	1328 x 628 x 438	1200 x 500 x 340	172	107	117	240
2/4AF4311	1328 x 628 x 438	1200 x 500 x 340	172	107	117	240
2/4AF4021	1328 x 628 x 438	1200 x 500 x 340	172	107	117	240
2/4AF4121	1328 x 628 x 438	1200 x 500 x 340	172	107	117	240
2/4AF4221	1328 x 628 x 438	1200 x 500 x 340	172	107	117	240
2/4AF4321	1328 x 628 x 438	1200 x 500 x 340	172	107	117	240

*¹ A cable cooling unit is required for E90 to maintain functionality (see page 39)

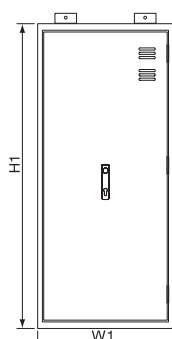
For your notes



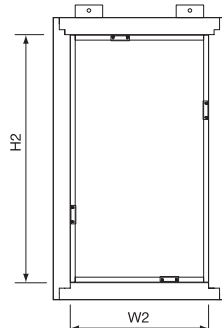
Floor Standing Cabinet, I30/E30 Classification *1

Dimensions, Weight, Power Loss

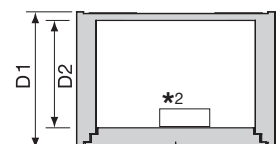
Front view



Interior view



Birds-eye view



*2 When using a fan, please take the installation dimensions of 55 mm into account

A2

F30

I30

E30

Type	External dimensions (mm) H1 x W1 x D1	Internal dimensions (mm) H2 x W2 x D2	Weight kg	Permissible power loss (W)		
				Ventilation apertures		Fan
				Without	With	
1/8SF3000	1924 x 374 x 334	1800 x 250 x 240	131	56		
1/8SF3100	1924 x 374 x 334	1800 x 250 x 240	131	56		
1/8SF3010	1924 x 374 x 334	1800 x 250 x 240	131	56		
1/8SF3110	1924 x 374 x 334	1800 x 250 x 240	131	56		
1/8SF3020	1924 x 374 x 334	1800 x 250 x 240	131	56		
1/8SF3120	1924 x 374 x 334	1800 x 250 x 240	131	56		
2/8SF3000	1924 x 624 x 334	1800 x 500 x 240	190	113	124	254
2/8SF3100	1924 x 624 x 334	1800 x 500 x 240	190	113	124	254
2/8SF3200	1924 x 624 x 334	1800 x 500 x 240	190	113	124	254
2/8SF3300	1924 x 624 x 334	1800 x 500 x 240	190	113	124	254
2/8SF3010	1924 x 624 x 334	1800 x 500 x 240	190	113	124	254
2/8SF3110	1924 x 624 x 334	1800 x 500 x 240	190	113	124	254
2/8SF3210	1924 x 624 x 334	1800 x 500 x 240	190	113	124	254
2/8SF3310	1924 x 624 x 334	1800 x 500 x 240	190	113	124	254
2/8SF3020	1924 x 624 x 334	1800 x 500 x 240	190	113	124	254
2/8SF3120	1924 x 624 x 334	1800 x 500 x 240	190	113	124	254
2/8SF3220	1924 x 624 x 334	1800 x 500 x 240	190	113	124	254
2/8SF3320	1924 x 624 x 334	1800 x 500 x 240	190	113	124	254
3/8SF3000	1924 x 874 x 334	1800 x 750 x 240	248	169	186	381
3/8SF3100	1924 x 874 x 334	1800 x 750 x 240	248	169	186	381
3/8SF3200	1924 x 874 x 334	1800 x 750 x 240	248	169	186	381
3/8SF3300	1924 x 874 x 334	1800 x 750 x 240	248	169	186	381
3/8SF3010	1924 x 874 x 334	1800 x 750 x 240	248	169	186	381
3/8SF3110	1924 x 874 x 334	1800 x 750 x 240	248	169	186	381
3/8SF3210	1924 x 874 x 334	1800 x 750 x 240	248	169	186	381
3/8SF3310	1924 x 874 x 334	1800 x 750 x 240	248	169	186	381
3/8SF3020	1924 x 874 x 334	1800 x 750 x 240	248	169	186	381
3/8SF3120	1924 x 874 x 334	1800 x 750 x 240	248	169	186	381
3/8SF3220	1924 x 874 x 334	1800 x 750 x 240	248	169	186	381
3/8SF3330	1924 x 874 x 334	1800 x 750 x 240	248	169	186	381
4/8SF3000	1924 x 1124 x 334	1800 x 1000 x 240	307	226	248	508
4/8SF3100	1924 x 1124 x 334	1800 x 1000 x 240	307	226	248	508
4/8SF3200	1924 x 1124 x 334	1800 x 1000 x 240	307	226	248	508
4/8SF3300	1924 x 1124 x 334	1800 x 1000 x 240	307	226	248	508
4/8SF3010	1924 x 1124 x 334	1800 x 1000 x 240	307	226	248	508
4/8SF3110	1924 x 1124 x 334	1800 x 1000 x 240	307	226	248	508
4/8SF3210	1924 x 1124 x 334	1800 x 1000 x 240	307	226	248	508
4/8SF3310	1924 x 1124 x 334	1800 x 1000 x 240	307	226	248	508
4/8SF3020	1924 x 1124 x 334	1800 x 1000 x 240	307	226	248	508
4/8SF3120	1924 x 1124 x 334	1800 x 1000 x 240	307	226	248	508
4/8SF3220	1924 x 1124 x 334	1800 x 1000 x 240	307	226	248	508
4/8SF3320	1924 x 1124 x 334	1800 x 1000 x 240	307	226	248	508

*1 A cable cooling unit is required for E30 to maintain functionality (see page 39)

Floor Standing Cabinet, I30/E30 Classification *1

Dimensions, Weight, Power Loss

A2

F30

I30

E30

Type	External dimensions (mm)	Internal dimensions (mm)	Weight	Permissible power loss (W)		
				Ventilation apertures		Fan
				Without	With	
1/8SF4000	1924 x 374 x 434	1800 x 250 x 340	164	80		
1/8SF4100	1924 x 374 x 434	1800 x 250 x 340	164	80		
1/8SF4010	1924 x 374 x 434	1800 x 250 x 340	164	80		
1/8SF4110	1924 x 374 x 434	1800 x 250 x 340	164	80		
1/8SF4020	1924 x 374 x 434	1800 x 250 x 340	164	80		
1/8SF4120	1924 x 374 x 434	1800 x 250 x 340	164	80		
2/8SF4000	1924 x 624 x 434	1800 x 500 x 340	227	160	176	360
2/8SF4100	1924 x 624 x 434	1800 x 500 x 340	227	160	176	360
2/8SF4200	1924 x 624 x 434	1800 x 500 x 340	227	160	176	360
2/8SF4300	1924 x 624 x 434	1800 x 500 x 340	227	160	176	360
2/8SF4010	1924 x 624 x 434	1800 x 500 x 340	227	160	176	360
2/8SF4110	1924 x 624 x 434	1800 x 500 x 340	227	160	176	360
2/8SF4210	1924 x 624 x 434	1800 x 500 x 340	227	160	176	360
2/8SF4310	1924 x 624 x 434	1800 x 500 x 340	227	160	176	360
2/8SF4020	1924 x 624 x 434	1800 x 500 x 340	227	160	176	360
2/8SF4120	1924 x 624 x 434	1800 x 500 x 340	227	160	176	360
2/8SF4220	1924 x 624 x 434	1800 x 500 x 340	227	160	176	360
2/8SF4320	1924 x 624 x 434	1800 x 500 x 340	227	160	176	360
3/8SF4000	1924 x 874 x 434	1800 x 750 x 340	289	240	264	540
3/8SF4100	1924 x 874 x 434	1800 x 750 x 340	289	240	264	540
3/8SF4200	1924 x 874 x 434	1800 x 750 x 340	289	240	264	540
3/8SF4300	1924 x 874 x 434	1800 x 750 x 340	289	240	264	540
3/8SF4010	1924 x 874 x 434	1800 x 750 x 340	289	240	264	540
3/8SF4110	1924 x 874 x 434	1800 x 750 x 340	289	240	264	540
3/8SF4210	1924 x 874 x 434	1800 x 750 x 340	289	240	264	540
3/8SF4310	1924 x 874 x 434	1800 x 750 x 340	289	240	264	540
3/8SF4020	1924 x 874 x 434	1800 x 750 x 340	289	240	264	540
3/8SF4120	1924 x 874 x 434	1800 x 750 x 340	289	240	264	540
3/8SF4220	1924 x 874 x 434	1800 x 750 x 340	289	240	264	540
3/8SF4320	1924 x 874 x 434	1800 x 750 x 340	289	240	264	540
4/8SF4000	1924 x 1124 x 434	1800 x 1000 x 340	352	320	352	720
4/8SF4100	1924 x 1124 x 434	1800 x 1000 x 340	352	320	352	720
4/8SF4200	1924 x 1124 x 434	1800 x 1000 x 340	352	320	352	720
4/8SF4300	1924 x 1124 x 434	1800 x 1000 x 340	352	320	352	720
4/8SF4010	1924 x 1124 x 434	1800 x 1000 x 340	352	320	352	720
4/8SF4110	1924 x 1124 x 434	1800 x 1000 x 340	352	320	352	720
4/8SF4210	1924 x 1124 x 434	1800 x 1000 x 340	352	320	352	720
4/8SF4310	1924 x 1124 x 434	1800 x 1000 x 340	352	320	352	720
4/8SF4020	1924 x 1124 x 434	1800 x 1000 x 340	352	320	352	720
4/8SF4120	1924 x 1124 x 434	1800 x 1000 x 340	352	320	352	720
4/8SF4220	1924 x 1124 x 434	1800 x 1000 x 340	352	320	352	720
4/8SF4320	1924 x 1124 x 434	1800 x 1000 x 340	352	320	352	720

*1 A cable cooling unit is required for E30 to maintain functionality (see page 39)

Floor Standing Cabinet, I30/E30 Classification *1

Dimensions, Weight, Power Loss

A2

F30

I30

E30

Type	External dimensions (mm)	Internal dimensions (mm)	Weight	Permissible power loss (W)		
				Ventilation apertures		Fan
				Without	With	
	H1 x W1 x D1	H2 x W2 x D2	kg			
1/8SF5000	1924 x 374 x 534	1800 x 250 x 440	198	104		
1/8SF5100	1924 x 374 x 534	1800 x 250 x 440	198	104		
1/8SF5010	1924 x 374 x 534	1800 x 250 x 440	198	104		
1/8SF5110	1924 x 374 x 534	1800 x 250 x 440	198	104		
1/8SF5020	1924 x 374 x 534	1800 x 250 x 440	198	104		
1/8SF5120	1924 x 374 x 534	1800 x 250 x 440	198	104		
2/8SF5000	1924 x 624 x 534	1800 x 500 x 440	264	207	228	466
2/8SF5100	1924 x 624 x 534	1800 x 500 x 440	264	207	228	466
2/8SF5200	1924 x 624 x 534	1800 x 500 x 440	264	207	228	466
2/8SF5300	1924 x 624 x 534	1800 x 500 x 440	264	207	228	466
2/8SF5010	1924 x 624 x 534	1800 x 500 x 440	264	207	228	466
2/8SF5110	1924 x 624 x 534	1800 x 500 x 440	264	207	228	466
2/8SF5210	1924 x 624 x 534	1800 x 500 x 440	264	207	228	466
2/8SF5310	1924 x 624 x 534	1800 x 500 x 440	264	207	228	466
2/8SF5020	1924 x 624 x 534	1800 x 500 x 440	264	207	228	466
2/8SF5120	1924 x 624 x 534	1800 x 500 x 440	264	207	228	466
2/8SF5220	1924 x 624 x 534	1800 x 500 x 440	264	207	228	466
2/8SF5320	1924 x 624 x 534	1800 x 500 x 440	264	207	228	466
3/8SF5000	1924 x 874 x 534	1800 x 750 x 440	330	311	342	699
3/8SF5100	1924 x 874 x 534	1800 x 750 x 440	330	311	342	699
3/8SF5200	1924 x 874 x 534	1800 x 750 x 440	330	311	342	699
3/8SF5300	1924 x 874 x 534	1800 x 750 x 440	330	311	342	699
3/8SF5010	1924 x 874 x 534	1800 x 750 x 440	330	311	342	699
3/8SF5110	1924 x 874 x 534	1800 x 750 x 440	330	311	342	699
3/8SF5210	1924 x 874 x 534	1800 x 750 x 440	330	311	342	699
3/8SF5310	1924 x 874 x 534	1800 x 750 x 440	330	311	342	699
3/8SF5020	1924 x 874 x 534	1800 x 750 x 440	330	311	342	699
3/8SF5120	1924 x 874 x 534	1800 x 750 x 440	330	311	342	699
3/8SF5220	1924 x 874 x 534	1800 x 750 x 440	330	311	342	699
3/8SF5320	1924 x 874 x 534	1800 x 750 x 440	330	311	342	699
4/8SF5000	1924 x 1124 x 534	1800 x 1000 x 440	396	414	456	932
4/8SF5100	1924 x 1124 x 534	1800 x 1000 x 440	396	414	456	932
4/8SF5200	1924 x 1124 x 534	1800 x 1000 x 440	396	414	456	932
4/8SF5300	1924 x 1124 x 534	1800 x 1000 x 440	396	414	456	932
4/8SF5010	1924 x 1124 x 534	1800 x 1000 x 440	396	414	456	932
4/8SF5110	1924 x 1124 x 534	1800 x 1000 x 440	396	414	456	932
4/8SF5210	1924 x 1124 x 534	1800 x 1000 x 440	396	414	456	932
4/8SF5310	1924 x 1124 x 534	1800 x 1000 x 440	396	414	456	932
4/8SF5020	1924 x 1124 x 534	1800 x 1000 x 440	396	414	456	932
4/8SF5120	1924 x 1124 x 534	1800 x 1000 x 440	396	414	456	932
4/8SF5220	1924 x 1124 x 534	1800 x 1000 x 440	396	414	456	932
4/8SF5320	1924 x 1124 x 534	1800 x 1000 x 440	396	414	456	932

*1 A cable cooling unit is required for E30 to maintain functionality (see page 39)

Floor Standing Cabinet, I90/E90 Classification *1

Dimensions, Weight, Power Loss

A2

F90

I90

E90

Type	External dimensions (mm)	Internal dimensions (mm)	Weight	Permissible power loss (W)		
				Ventilation apertures		Fan
				Without	With	
1/8SF3001	1928 x 378 x 338	1800 x 250 x 240	138	56		
1/8SF3101	1928 x 378 x 338	1800 x 250 x 240	138	56		
1/8SF3011	1928 x 378 x 338	1800 x 250 x 240	138	56		
1/8SF3111	1928 x 378 x 338	1800 x 250 x 240	138	56		
1/8SF3021	1928 x 378 x 338	1800 x 250 x 240	138	56		
1/8SF3121	1928 x 378 x 338	1800 x 250 x 240	138	56		
2/8SF3001	1928 x 628 x 338	1800 x 500 x 240	200	113	124	254
2/8SF3101	1928 x 628 x 338	1800 x 500 x 240	200	113	124	254
2/8SF3201	1928 x 628 x 338	1800 x 500 x 240	200	113	124	254
2/8SF3301	1928 x 628 x 338	1800 x 500 x 240	200	113	124	254
2/8SF3011	1928 x 628 x 338	1800 x 500 x 240	200	113	124	254
2/8SF3111	1928 x 628 x 338	1800 x 500 x 240	200	113	124	254
2/8SF3211	1928 x 628 x 338	1800 x 500 x 240	200	113	124	254
2/8SF3311	1928 x 628 x 338	1800 x 500 x 240	200	113	124	254
2/8SF3021	1928 x 628 x 338	1800 x 500 x 240	200	113	124	254
2/8SF3121	1928 x 628 x 338	1800 x 500 x 240	200	113	124	254
2/8SF3221	1928 x 628 x 338	1800 x 500 x 240	200	113	124	254
2/8SF3321	1928 x 628 x 338	1800 x 500 x 240	200	113	124	254
3/8SF3001	1928 x 878 x 338	1800 x 750 x 240	260	169	186	381
3/8SF3101	1928 x 878 x 338	1800 x 750 x 240	260	169	186	381
3/8SF3201	1928 x 878 x 338	1800 x 750 x 240	260	169	186	381
3/8SF3301	1928 x 878 x 338	1800 x 750 x 240	260	169	186	381
3/8SF3011	1928 x 878 x 338	1800 x 750 x 240	260	169	186	381
3/8SF3111	1928 x 878 x 338	1800 x 750 x 240	260	169	186	381
3/8SF3211	1928 x 878 x 338	1800 x 750 x 240	260	169	186	381
3/8SF3311	1928 x 878 x 338	1800 x 750 x 240	260	169	186	381
3/8SF3021	1928 x 878 x 338	1800 x 750 x 240	260	169	186	381
3/8SF3121	1928 x 878 x 338	1800 x 750 x 240	260	169	186	381
3/8SF3221	1928 x 878 x 338	1800 x 750 x 240	260	169	186	381
3/8SF3321	1928 x 878 x 338	1800 x 750 x 240	260	169	186	381
4/8SF3001	1928 x 1128 x 338	1800 x 1000 x 240	322	226	248	508
4/8SF3101	1928 x 1128 x 338	1800 x 1000 x 240	322	226	248	508
4/8SF3201	1928 x 1128 x 338	1800 x 1000 x 240	322	226	248	508
4/8SF3301	1928 x 1128 x 338	1800 x 1000 x 240	322	226	248	508
4/8SF3011	1928 x 1128 x 338	1800 x 1000 x 240	322	226	248	508
4/8SF3111	1928 x 1128 x 338	1800 x 1000 x 240	322	226	248	508
4/8SF3211	1928 x 1128 x 338	1800 x 1000 x 240	322	226	248	508
4/8SF3311	1928 x 1128 x 338	1800 x 1000 x 240	322	226	248	508
4/8SF3021	1928 x 1128 x 338	1800 x 1000 x 240	322	226	248	508
4/8SF3121	1928 x 1128 x 338	1800 x 1000 x 240	322	226	248	508
4/8SF3221	1928 x 1128 x 338	1800 x 1000 x 240	322	226	248	508
4/8SF3321	1928 x 1128 x 338	1800 x 1000 x 240	322	226	248	508

*1 A cable cooling unit is required for E90 to maintain functionality (see page 39)

Floor Standing Cabinet, I90/E90 Classification *1

Dimensions, Weights, Power Loss

A2

F90

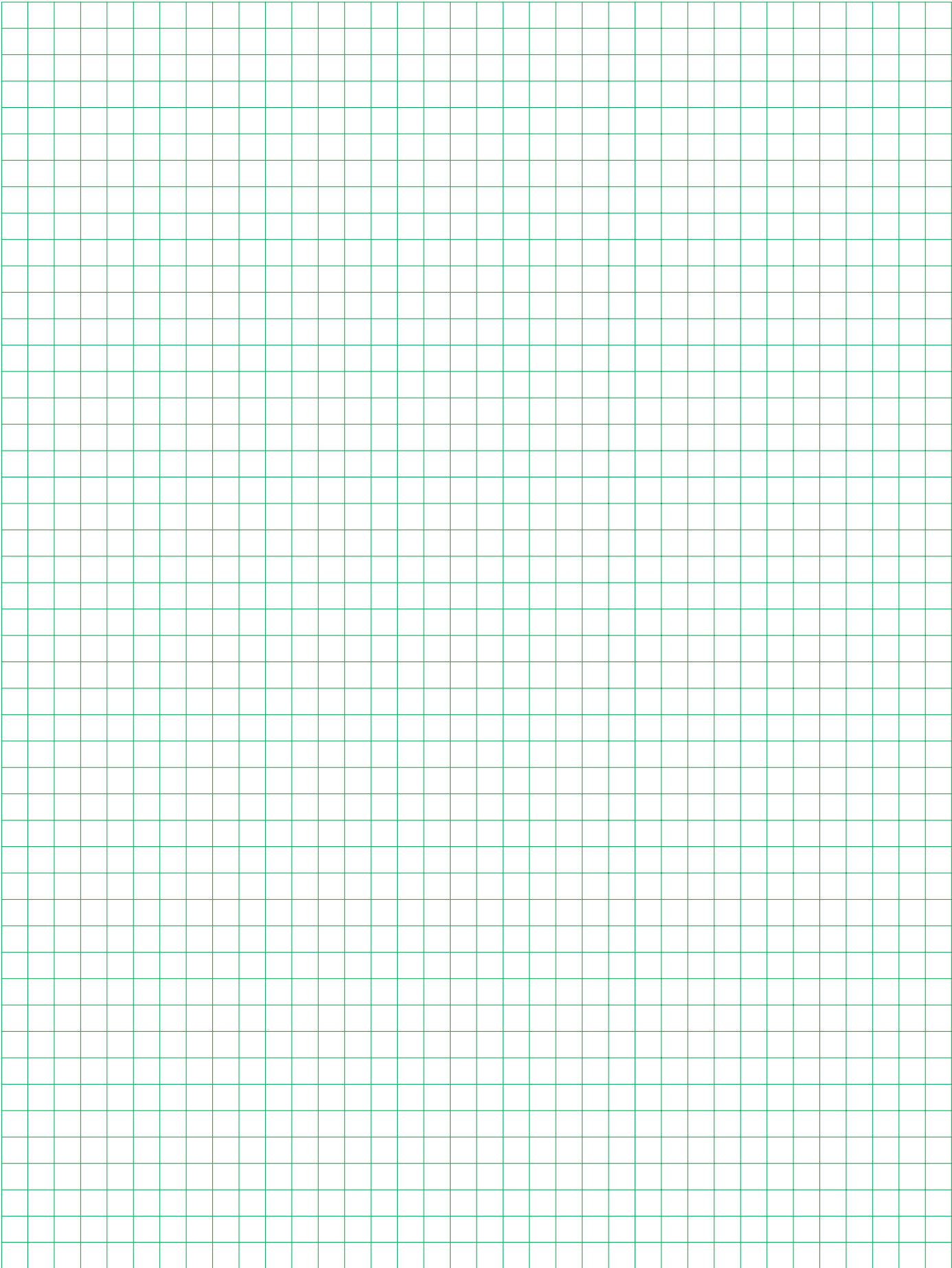
I90

E90

Type	Permissible power loss (W)					
	External dimensions (mm) H1 x W1 x D1	Internal dimensions (mm) H2 x W2 x D2	Weight kg	Ventilation apertures		
				Without	With	Fan
1/8SF5001	1928 x 378 x 538	1800 x 250 x 440	208	104		
1/8SF5101	1928 x 378 x 538	1800 x 250 x 440	208	104		
1/8SF5011	1928 x 378 x 538	1800 x 250 x 440	208	104		
1/8SF5111	1928 x 378 x 538	1800 x 250 x 440	208	104		
1/8SF5021	1928 x 378 x 538	1800 x 250 x 440	208	104		
1/8SF5121	1928 x 378 x 538	1800 x 250 x 440	208	104		
2/8SF5001	1928 x 628 x 538	1800 x 500 x 440	277	207	228	466
2/8SF5101	1928 x 628 x 538	1800 x 500 x 440	277	207	228	466
2/8SF5201	1928 x 628 x 538	1800 x 500 x 440	277	207	228	466
2/8SF5301	1928 x 628 x 538	1800 x 500 x 440	277	207	228	466
2/8SF5011	1928 x 628 x 538	1800 x 500 x 440	277	207	228	466
2/8SF5111	1928 x 628 x 538	1800 x 500 x 440	277	207	228	466
2/8SF5211	1928 x 628 x 538	1800 x 500 x 440	277	207	228	466
2/8SF5311	1928 x 628 x 538	1800 x 500 x 440	277	207	228	466
2/8SF5021	1928 x 628 x 538	1800 x 500 x 440	277	207	228	466
2/8SF5121	1928 x 628 x 538	1800 x 500 x 440	277	207	228	466
2/8SF5221	1928 x 628 x 538	1800 x 500 x 440	277	207	228	466
2/8SF5321	1928 x 628 x 538	1800 x 500 x 440	277	207	228	466
3/8SF5001	1928 x 878 x 538	1800 x 750 x 440	347	311	342	699
3/8SF5101	1928 x 878 x 538	1800 x 750 x 440	347	311	342	699
3/8SF5201	1928 x 878 x 538	1800 x 750 x 440	347	311	342	699
3/8SF5301	1928 x 878 x 538	1800 x 750 x 440	347	311	342	699
3/8SF5011	1928 x 878 x 538	1800 x 750 x 440	347	311	342	699
3/8SF5111	1928 x 878 x 538	1800 x 750 x 440	347	311	342	699
3/8SF5211	1928 x 878 x 538	1800 x 750 x 440	347	311	342	699
3/8SF5311	1928 x 878 x 538	1800 x 750 x 440	347	311	342	699
3/8SF5021	1928 x 878 x 538	1800 x 750 x 440	347	311	342	699
3/8SF5121	1928 x 878 x 538	1800 x 750 x 440	347	311	342	699
3/8SF5221	1928 x 878 x 538	1800 x 750 x 440	347	311	342	699
3/8SF5321	1928 x 878 x 538	1800 x 750 x 440	347	311	342	699
4/8SF5001	1928 x 1128 x 538	1800 x 1000 x 440	416	414	456	932
4/8SF5101	1928 x 1128 x 538	1800 x 1000 x 440	416	414	456	932
4/8SF5201	1928 x 1128 x 538	1800 x 1000 x 440	416	414	456	932
4/8SF5301	1928 x 1128 x 538	1800 x 1000 x 440	416	414	456	932
4/8SF5011	1928 x 1128 x 538	1800 x 1000 x 440	416	414	456	932
4/8SF5111	1928 x 1128 x 538	1800 x 1000 x 440	416	414	456	932
4/8SF5211	1928 x 1128 x 538	1800 x 1000 x 440	416	414	456	932
4/8SF5311	1928 x 1128 x 538	1800 x 1000 x 440	416	414	456	932
4/8SF5021	1928 x 1128 x 538	1800 x 1000 x 440	416	414	456	932
4/8SF5121	1928 x 1128 x 538	1800 x 1000 x 440	416	414	456	932
4/8SF5221	1928 x 1128 x 538	1800 x 1000 x 440	416	414	456	932
4/8SF5321	1928 x 1128 x 538	1800 x 1000 x 440	416	414	456	932

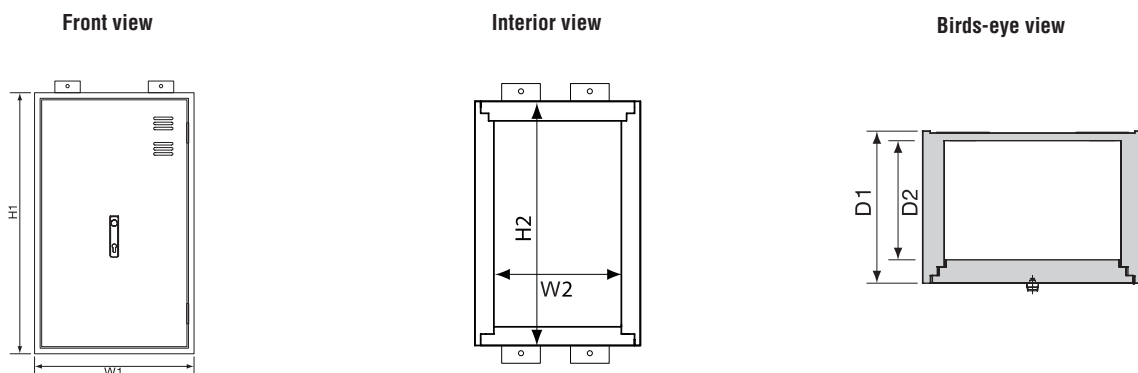
*1 A cable cooling unit is required for E90 to maintain functionality (see page 39)

For your notes



Enclosure Cabinet, I30/E30 Classification *1

Dimensions, Weights, Power Loss



A2

F30

I30

E30

Type	Permissible power loss (W)					
	External dimensions (mm) H1 x W1 x D1	Internal dimensions (mm) H2 x W2 x D2	Weight kg	Ventilation apertures		
				Without	With	Fan
2/1MF4000	874 x 624 x 434	628 x 336 x 340	116	67	73	150
2/1MF4100	874 x 624 x 434	628 x 336 x 340	116	67	73	150
2/1MF4200	874 x 624 x 434	628 x 336 x 340	116	67	73	150
2/1MF4300	874 x 624 x 434	628 x 336 x 340	116	67	73	150
2/1MF4010	874 x 624 x 434	628 x 336 x 340	116	67	73	150
2/1MF4110	874 x 624 x 434	628 x 336 x 340	116	67	73	150
2/1MF4210	874 x 624 x 434	628 x 336 x 340	116	67	73	150
2/1MF4310	874 x 624 x 434	628 x 336 x 340	116	67	73	150
2/1MF4020	874 x 624 x 434	628 x 336 x 340	116	67	73	150
2/1MF4120	874 x 624 x 434	628 x 336 x 340	116	67	73	150
2/1MF4220	874 x 624 x 434	628 x 336 x 340	116	67	73	150
2/1MF4320	874 x 624 x 434	628 x 336 x 340	116	67	73	150
2/2MF4000	1024 x 624 x 434	778 x 336 x 340	132	80	88	180
2/2MF4100	1024 x 624 x 434	778 x 336 x 340	132	80	88	180
2/2MF4200	1024 x 624 x 434	778 x 336 x 340	132	80	88	180
2/2MF4300	1024 x 624 x 434	778 x 336 x 340	132	80	88	180
2/2MF4010	1024 x 624 x 434	778 x 336 x 340	132	80	88	180
2/2MF4110	1024 x 624 x 434	778 x 336 x 340	132	80	88	180
2/2MF4210	1024 x 624 x 434	778 x 336 x 340	132	80	88	180
2/2MF4310	1024 x 624 x 434	778 x 336 x 340	132	80	88	180
2/2MF4020	1024 x 624 x 434	778 x 336 x 340	132	80	88	180
2/2MF4120	1024 x 624 x 434	778 x 336 x 340	132	80	88	180
2/2MF4220	1024 x 624 x 434	778 x 336 x 340	132	80	88	180
2/2MF4320	1024 x 624 x 434	778 x 336 x 340	132	80	88	180
3/2MF4000	1024 x 874 x 434	778 x 586 x 340	169	120	132	270
3/2MF4100	1024 x 874 x 434	778 x 586 x 340	169	120	132	270
3/2MF4200	1024 x 874 x 434	778 x 586 x 340	169	120	132	270
3/2MF4300	1024 x 874 x 434	778 x 586 x 340	169	120	132	270
3/2MF4010	1024 x 874 x 434	778 x 586 x 340	169	120	132	270
3/2MF4110	1024 x 874 x 434	778 x 586 x 340	169	120	132	270
3/2MF4210	1024 x 874 x 434	778 x 586 x 340	169	120	132	270
3/2MF4310	1024 x 874 x 434	778 x 586 x 340	169	120	132	270
3/2MF4020	1024 x 874 x 434	778 x 586 x 340	169	120	132	270
3/2MF4120	1024 x 874 x 434	778 x 586 x 340	169	120	132	270
3/2MF4220	1024 x 874 x 434	778 x 586 x 340	169	120	132	270
3/2MF4320	1024 x 874 x 434	778 x 586 x 340	169	120	132	270
2/4MF4000	1324 x 624 x 434	1078 x 336 x 340	164	107	117	240
2/4MF4100	1324 x 624 x 434	1078 x 336 x 340	164	107	117	240
2/4MF4200	1324 x 624 x 434	1078 x 336 x 340	164	107	117	240
2/4MF4300	1324 x 624 x 434	1078 x 336 x 340	164	107	117	240
2/4MF4010	1324 x 624 x 434	1078 x 336 x 340	164	107	117	240
2/4MF4110	1324 x 624 x 434	1078 x 336 x 340	164	107	117	240
2/4MF4210	1324 x 624 x 434	1078 x 336 x 340	164	107	117	240
2/4MF4310	1324 x 624 x 434	1078 x 336 x 340	164	107	117	240
2/4MF4020	1324 x 624 x 434	1078 x 336 x 340	164	107	117	240
2/4MF4120	1324 x 624 x 434	1078 x 336 x 340	164	107	117	240
2/4MF4220	1324 x 624 x 434	1078 x 336 x 340	164	107	117	240
2/4MF4320	1324 x 624 x 434	1078 x 336 x 340	164	107	117	240

*1 A cable cooling unit is required for E30 to maintain functionality (see page 39)

Enclosure Cabinet, I90/E90 Classification *1

Dimensions, Weights, Power Loss

A2

F90

I90

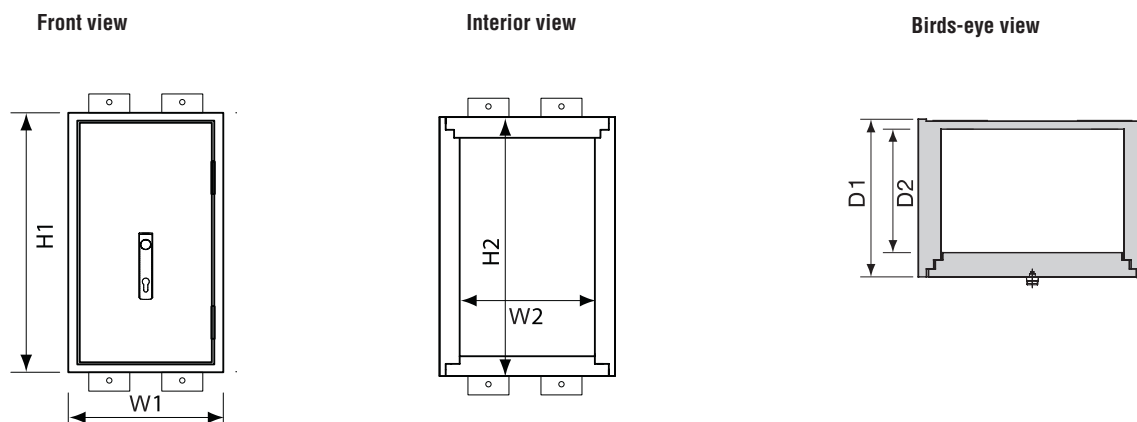
E90

Type	Permissible power loss (W)					
	External dimensions (mm)	Internal dimensions (mm)	Weight	Ventilation apertures		
	H1 x W1 x D1	H2 x W2 x D2	kg	Without	With	Fan
2/1MF4001	878 x 628 x 438	628 x 336 x 340	122	67	73	150
2/1MF4101	878 x 628 x 438	628 x 336 x 340	122	67	73	150
2/1MF4201	878 x 628 x 438	628 x 336 x 340	122	67	73	150
2/1MF4301	878 x 628 x 438	628 x 336 x 340	122	67	73	150
2/1MF4011	878 x 628 x 438	628 x 336 x 340	122	67	73	150
2/1MF4111	878 x 628 x 438	628 x 336 x 340	122	67	73	150
2/1MF4211	878 x 628 x 438	628 x 336 x 340	122	67	73	150
2/1MF4311	878 x 628 x 438	628 x 336 x 340	122	67	73	150
2/1MF4021	878 x 628 x 438	628 x 336 x 340	122	67	73	150
2/1MF4121	878 x 628 x 438	628 x 336 x 340	122	67	73	150
2/1MF4221	878 x 628 x 438	628 x 336 x 340	122	67	73	150
2/1MF4321	878 x 628 x 438	628 x 336 x 340	122	67	73	150
2/2MF4001	1028 x 628 x 438	778 x 336 x 340	139	80	88	180
2/2MF4101	1028 x 628 x 438	778 x 336 x 340	139	80	88	180
2/2MF4201	1028 x 628 x 438	778 x 336 x 340	139	80	88	180
2/2MF4301	1028 x 628 x 438	778 x 336 x 340	139	80	88	180
2/2MF4011	1028 x 628 x 438	778 x 336 x 340	139	80	88	180
2/2MF4111	1028 x 628 x 438	778 x 336 x 340	139	80	88	180
2/2MF4211	1028 x 628 x 438	778 x 336 x 340	139	80	88	180
2/2MF4311	1028 x 628 x 438	778 x 336 x 340	139	80	88	180
2/2MF4021	1028 x 628 x 438	778 x 336 x 340	139	80	88	180
2/2MF4121	1028 x 628 x 438	778 x 336 x 340	139	80	88	180
2/2MF4221	1028 x 628 x 438	778 x 336 x 340	139	80	88	180
2/2MF4321	1028 x 628 x 438	778 x 336 x 340	139	80	88	180
3/2MF4001	1028 x 878 x 438	778 x 586 x 340	177	120	132	270
3/2MF4101	1028 x 878 x 438	778 x 586 x 340	177	120	132	270
3/2MF4201	1028 x 878 x 438	778 x 586 x 340	177	120	132	270
3/2MF4301	1028 x 878 x 438	778 x 586 x 340	177	120	132	270
3/2MF4011	1028 x 878 x 438	778 x 586 x 340	177	120	132	270
3/2MF4111	1028 x 878 x 438	778 x 586 x 340	177	120	132	270
3/2MF4211	1028 x 878 x 438	778 x 586 x 340	177	120	132	270
3/2MF4311	1028 x 878 x 438	778 x 586 x 340	177	120	132	270
3/2MF4021	1028 x 878 x 438	778 x 586 x 340	177	120	132	270
3/2MF4121	1028 x 878 x 438	778 x 586 x 340	177	120	132	270
3/2MF4221	1028 x 878 x 438	778 x 586 x 340	177	120	132	270
3/2MF4321	1028 x 878 x 438	778 x 586 x 340	177	120	132	270
2/4MF4001	1328 x 628 x 438	1078 x 336 x 340	172	107	117	240
2/4MF4101	1328 x 628 x 438	1078 x 336 x 340	172	107	117	240
2/4MF4201	1328 x 628 x 438	1078 x 336 x 340	172	107	117	240
2/4MF4301	1328 x 628 x 438	1078 x 336 x 340	172	107	117	240
2/4MF4011	1328 x 628 x 438	1078 x 336 x 340	172	107	117	240
2/4MF4111	1328 x 628 x 438	1078 x 336 x 340	172	107	117	240
2/4MF4211	1328 x 628 x 438	1078 x 336 x 340	172	107	117	240
2/4MF4311	1328 x 628 x 438	1078 x 336 x 340	172	107	117	240
2/4MF4021	1328 x 628 x 438	1078 x 336 x 340	172	107	117	240
2/4MF4121	1328 x 628 x 438	1078 x 336 x 340	172	107	117	240
2/4MF4221	1328 x 628 x 438	1078 x 336 x 340	172	107	117	240
2/4MF4321	1328 x 628 x 438	1078 x 336 x 340	172	107	117	240

*1 A cable cooling unit is required for E90 to maintain functionality (see page 39)

Wiring Cabinet, I30/E30 Classification *1 – I90/E90 *

Dimensions, Weights, Power Loss



A2 **F30** **I30** **E30**

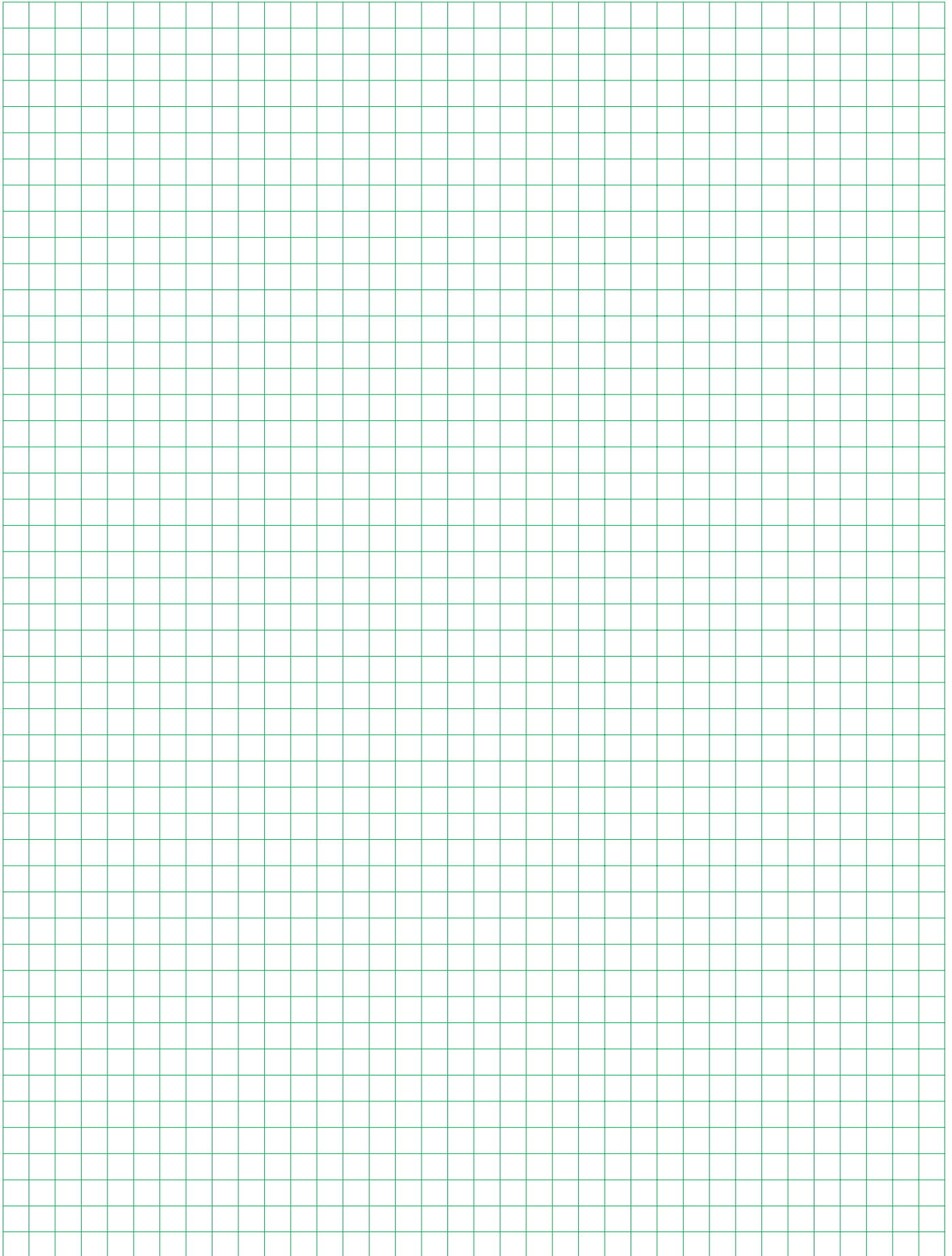
Type	External dimensions (mm) H1 x W1 x D1	Internal dimensions (mm) H2 x W2 x D2	Weight kg	Permissible power loss (W)		
				Ventilation apertures		Fan
				Without	With	
1/000R3020	424 x 374 x 334	300 x 250 x 240	36	9		
1/000R3120	424 x 374 x 334	300 x 250 x 240	36	9		
1/00R3020	574 x 374 x 334	450 x 250 x 240	46	14		
1/00R3120	574 x 374 x 334	450 x 250 x 240	46	14		
2/00R3020	574 x 624 x 334	450 x 500 x 240	67	28		
2/00R3120	574 x 624 x 334	450 x 500 x 240	67	28		
2/00R3220	574 x 624 x 334	450 x 500 x 240	67	28		
2/00R3320	574 x 624 x 334	450 x 500 x 240	67	28		

A2 **F90** **I90** **E90**

Type	External dimensions (mm) H1 x W1 x D1	Internal dimensions (mm) H2 x W2 x D2	Weight kg	Permissible power loss (W)		
				Ventilation apertures		Fan
				Without	With	
1/000R3021	428 x 378 x 338	300 x 250 x 240	38			
1/000R3121	428 x 378 x 338	300 x 250 x 240	38			
1/00R3021	578 x 378 x 338	450 x 250 x 240	48			
1/00R3121	578 x 378 x 338	450 x 250 x 240	48			
2/00R3021	578 x 628 x 338	450 x 500 x 240	70	28		
2/00R3121	578 x 628 x 338	450 x 500 x 240	70	28		
2/00R3221	578 x 628 x 338	450 x 500 x 240	70	28		
2/00R3321	578 x 628 x 338	450 x 500 x 240	70	28		

*1 A cable cooling unit is required for E30/E90 maintain functionality (see page 39)

For your notes



Protective Cover Doors

Dimensions, Weights, Power Loss

Protective cover door VF, single-leaf

IP54

A2

F30

I30

E30

Type	External dimensions (mm)	Internal dimensions (mm)	Weight
	H1 x W1 x D1	H2 x W2 x D2	kg
1/0VF10	895 x 545 x 51	665 x 315 x 23	27
2/0VF10	895 x 795 x 51	665 x 565 x 23	37
2/1VF10	1045 x 795 x 51	815 x 565 x 23	42
3/1VF10	1045 x 1045 x 51	815 x 815 x 23	53
2/2VF10	1195 x 795 x 51	965 x 565 x 23	47
3/2VF10	1195 x 1045 x 51	965 x 815 x 23	60
2/4VF10	1495 x 795 x 51	1265 x 565 x 23	58
3/4VF10	1495 x 1045 x 51	1265 x 815 x 23	73
2/8VF10	2095 x 795 x 51	1865 x 565 x 23	79

Protective cover door VF, single-leaf

IP54

A2

F90

I90

E90

Type	External dimensions (mm)	Internal dimensions (mm)	Weight
	H1 x W1 x D1	H2 x W2 x D2	kg
1/0VF11	895 x 545 x 71	665 x 315 x 23	42
2/0VF11	895 x 795 x 71	665 x 565 x 23	58
2/1VF11	1045 x 795 x 71	815 x 565 x 23	67
3/1VF11	1045 x 1045 x 71	815 x 815 x 23	86
2/2VF11	1195 x 795 x 71	965 x 565 x 23	76
3/2VF11	1195 x 1045 x 71	965 x 815 x 23	97
2/4VF11	1495 x 795 x 71	1265 x 565 x 23	94
3/4VF11	1495 x 1045 x 71	1265 x 815 x 23	120
2/8VF11	2095 x 795 x 71	1865 x 565 x 23	129

Raising frame for single-leaf door

Type	External dimensions (mm)	Internal dimensions (mm)	Weight
	H1 x W1 x D1	H2 x W2 x D2	kg
1/0EF11	895 x 545 x 22	665 x 315 x 22	10
2/0EF11	895 x 795 x 22	665 x 565 x 22	12
2/1EF11	1045 x 795 x 22	815 x 565 x 22	13
3/1EF11	1045 x 1045 x 22	815 x 815 x 22	15
2/2EF11	1195 x 795 x 22	965 x 565 x 22	14
3/2EF11	1195 x 1045 x 22	965 x 815 x 22	16
2/4EF11	1495 x 795 x 22	1265 x 565 x 22	17
3/4EF11	1495 x 1045 x 22	1265 x 815 x 22	19
2/8EF11	2095 x 795 x 22	1865 x 565 x 22	22

Protective Cover Doors

Dimensions, Weights, Power Loss

Protective cover door VF, double-leaf

IP54

A2

F30

I30

E30

Type	External dimensions (mm)	Internal dimensions (mm)	Weight
	H1 x W1 x D1	H2 x W2 x D2	kg
4/2VF20	1195 x 1295 x 51	965 x 1065 x 23	72
4/3VF20	1345 x 1295 x 51	1115 x 1065 x 23	80
4/4VF20	1495 x 1295 x 51	1265 x 1065 x 23	88
4/8VF20	2095 x 1295 x 51	1865 x 1065 x 23	119

Protective cover door VF, double-leaf

IP54

A2

F90

I90

E90

Type	External dimensions (mm)	Internal dimensions (mm)	Weight
	H1 x W1 x D1	H2 x W2 x D2	kg
4/2VF21	1195 x 1295 x 71	965 x 1065 x 43	118
4/3VF21	1345 x 1295 x 71	1115 x 1065 x 43	132
4/4VF21	1495 x 1295 x 71	1265 x 1065 x 43	146
4/8VF21	2095 x 1295 x 71	1865 x 1065 x 43	201

Raising frame for single-leaf door

Type	External dimensions (mm)	Internal dimensions (mm)	Weight
	H1 x W1 x D1	H2 x W2 x D2	kg
4/2VF20	1195 x 1295 x 22	965 x 1065 x 22	18
4/3VF20	1345 x 1295 x 22	1115 x 1065 x 22	20
4/4VF20	1495 x 1295 x 22	1265 x 1065 x 22	21
4/8VF20	2095 x 1295 x 22	1865 x 1065 x 22	26

General Conditions for the Supply of mechanical, electrical and electronic products

Brussels August 2000

1. GENERAL CONDITIONS

PREAMBLE

1. These General Conditions shall apply when the parties agree in writing or otherwise thereto. When the General Conditions apply to a specific contract, modifications or deviations from them must be agreed in writing.

The object(s) to be supplied under these General Conditions is (are) hereinafter referred to as the Product. Wherever these General Conditions use the term in writing, this shall mean by document signed by the parties, or by letter, fax, electronic mail and by such other means as are agreed by the parties.

PRODUCT INFORMATION

2. All information and data contained in general product documentation and price lists, whether in electronic or any other form, are binding only to the extent that they are by reference expressly included in the contract.

II. DRAWINGS AND DESCRIPTIONS

3. All drawings and technical documents relating to the Product or its manufacture submitted by one party to the other, prior or subsequent to the formation of the contract, shall remain the property of the submitting party. Drawings, technical documents or other technical information received by one party shall

not, without the consent of the other party, be used for any other purpose than that for which they were provided. They may not, without the consent of the submitting party,

otherwise be used or copied, reproduced, transmitted or communicated to a third party.

4. The Supplier shall, not later than at the date of delivery, provide free of charge information and drawings which are necessary to permit the Purchaser to erect, commission, operate and maintain the Product. Such information and drawings shall be supplied in the number of copies agreed upon or at least one copy of each. The Supplier shall not be obliged to provide manufacturing drawings for the Product or for spare parts.

III. ACCEPTANCE TESTS

5. Acceptance tests provided for in the contract shall, unless otherwise agreed, be carried out at the place of manufacture during normal working hours.

If the contract does not specify the technical requirements, the tests shall be carried out in accordance with general practice in the appropriate branch of industry concerned in the country of manufacture.

6. The Supplier shall notify the Purchaser in writing of the acceptance tests in sufficient time to permit the Purchaser to be represented at the tests. If the Purchaser is not represented, the test report shall be sent to the Purchaser and shall be accepted as accurate

7. If the acceptance tests show the Product not to be in accordance with the contract, the Supplier shall without delay remedy any deficiencies in order to ensure that the Product complies with the contract. New tests shall then be carried out at the Purchaser's request, unless the deficiency was insignificant.

8. The Supplier shall bear all costs for acceptance tests carried out at the place of manufacture. The Purchaser shall however bear all travelling and living expenses for his representatives in connection with such tests.

DELIVERY. PASSING OF RISK

9. Any agreed trade term shall be construed in accordance with the INCOTERMS in force at the formation of the contract.

If no trade term is specifically agreed, the delivery shall be Ex works (EXW).

If, in the case of delivery Ex works, the Supplier, at the request of the Purchaser, under-

takes to send the Product to its destination, the risk will pass not later than when the Product is handed over to the first carrier.

Partial shipments shall be permitted unless otherwise agreed.

TIME FOR DELIVERY. DELAY

10. If the parties, instead of specifying the date for delivery, have specified a period of time on the expiry of which delivery shall take place, such period shall start to run as soon as the contract is entered into, all official formalities have been completed, payments due at the formation of the contract have been made, any agreed securities have been given and any other preconditions have been fulfilled.

11. If the Supplier anticipates that he will not be able to deliver the Product at the time for delivery, he shall forthwith notify the Purchaser thereof in writing, stating the reason, and, if possible, the time when delivery can be expected. If the Supplier fails to give such notice, the Purchaser shall be entitled to compensation for any additional costs which he incurs and which he could have avoided had he received such notice.

General Conditions for the Supply of mechanical, electrical and electronic products

Brussels August 2000

12. If delay in delivery is caused by any of the circumstances mentioned in Clause 39 or by an act or omission on the part of the Purchaser, including suspension under Clauses 20 or 42, the time for delivery shall be extended by a period which is reasonable having regard to all the circumstances in the case. This provision applies regardless of whether the reason for the delay occurs before or after the agreed time for delivery.

13. If the Product is not delivered at the time for delivery (as defined in Clauses 10 and 12), the Purchaser is entitled to liquidated damages from the date on which delivery should have taken place.

The liquidated damages shall be payable at a rate of 0.5 per cent of the purchase price for each completed week of delay. The liquidated damages shall not exceed 7.5 per cent of the purchase price.

If only part of the Product is delayed, the liquidated damages shall be calculated on that part of the purchase price which is attributable to such part of the Product as cannot in consequence of the delay be used as intended by the parties.

The liquidated damages become due at the Purchaser's demand in writing but not before delivery has been completed or the contract is terminated under Clause

14. The Purchaser shall forfeit his right to liquidated damages if he has not lodged a claim in writing for such damages within six months after the time when delivery should have taken place.

15. Liquidated damages under Clause 13 and termination of the contract with limited compensation under Clause 14 are the only remedies available to the Purchaser in case of delay on the part of the Supplier. All other claims against the Supplier based on such delay shall be excluded, except where the Supplier has been guilty of a negligent breach of a

condition which goes to the root of the contract ("wesentliche Vertragspflichten"), intent or gross negligence.

In these General Conditions gross negligence shall mean an act or omission implying either a failure to pay due regard to serious consequences, which a conscientious supplier would normally foresee as likely to ensue, or a deliberate disregard of the consequences of such act or omission.

16. If the Purchaser anticipates that he will be unable to accept delivery of the Product at the delivery time, he shall forthwith notify the Supplier in writing thereof, stating the reason and, if possible, the time when he will be able to accept delivery.

If the Purchaser fails to accept delivery at the delivery time, he shall nevertheless pay any part of the purchase price which becomes due on delivery, as if delivery had taken place.

The Supplier shall arrange for storage of the Product at the risk and expense of the Purchaser. The Supplier shall also, if the Purchaser so requires, insure the Product at the Purchaser's expense.

17. Unless the Purchaser's failure to accept delivery is due to any such circumstance as mentioned in Clause 39, the Supplier may by notice in writing require the Purchaser to accept delivery within a final reasonable period.

If, for any reason for which the Supplier is not responsible, the Purchaser fails to accept delivery within such period, the Supplier may by notice in writing terminate the contract in whole or in part. The Supplier shall then be entitled to compensation for the loss he has suffered by reason of the Purchaser's default. The compensation shall not exceed that part of the purchase price which is attributable to that part of the Product in respect of which the contract is terminated.

PAYMENT

18. Unless otherwise agreed, the purchase price shall be paid with one third at the formation of the contract and one third when the Supplier notifies the Purchaser that the Product, or the essential part of it, is ready for delivery. Final payment shall be made when the Product is delivered.

Payments shall be made within 30 days of the date of the invoice.

19. Whatever the means of payment used, payment shall not be deemed to have been effected before the Supplier's account has been fully and irrevocably credited.

20. If the Purchaser fails to pay by the stipulated date, the Supplier shall be entitled to inte-

rest from the day on which payment was due. The rate of interest shall be as agreed between the parties. If the parties fail to agree on the rate of interest, it shall be 8 percentage points above the rate of the main refinancing facility of the European Central Bank in force on the due date of payment.

In case of late payment the Supplier may, after having notified the Purchaser in writing, suspend his performance of the contract until he receives payment.

If the Purchaser has not paid the amount due within three months the Supplier shall be entitled to terminate the contract by notice in writing to the Purchaser and to claim compensation for the loss he has incurred. The compensation shall not exceed the agreed purchase price.

IX. RETENTION OF TITLE

21. The Product shall remain the property of the Supplier until paid for in full to the extent that such retention of title is valid under the applicable law.

The Purchaser shall at the request of the Supplier assist him in taking any measures necessary to protect the Supplier's title to the Product in the country concerned.

The retention of title shall not affect the passing of risk under Clause

General Conditions for the Supply of mechanical, electrical and electronic products

Brussels August 2000

X. LIABILITY FOR DEFECTS

22. Pursuant to the provisions of Clauses 23-37 inclusive, the Supplier shall remedy any defect or nonconformity (hereinafter termed defect(s)) resulting from faulty design, materials or workmanship.

23. The Supplier's liability is limited to defects which appear within a period of one year from delivery. If the daily use of the Product exceeds that which is agreed, this period shall be reduced proportionately.

24. When a defect in a part of the Product has been remedied, the Supplier shall be liable for defects in the repaired or replaced part under the same terms and conditions as those applicable to the original Product for a period of one year. For the remaining parts of the Product the period mentioned in Clause 23 shall be extended only by a period equal to the period during which the Product has been out of operation as a result of the defect.

25. The Purchaser shall without undue delay notify the Supplier in writing of any defect which appears. Such notice shall under no circumstance be given later than two weeks after the expiry of the period given in Clause 23.

The notice shall contain a description of the defect.

If the Purchaser fails to notify the Supplier in writing of a defect within the time limits set forth in the first paragraph of this Clause, he loses his right to have the defect remedied.

Where the defect is such that it may cause damage, the Purchaser shall immediately inform the Supplier in writing. The Purchaser shall bear the risk of damage resulting from his failure so to notify.

26. On receipt of the notice under Clause 25 the Supplier shall remedy the defect without undue delay and at his own cost as stipulated in Clauses 22-37 inclusive.

Repair shall be carried out at the place where the Product is located unless the Supplier deems it appropriate that the defective part or the Product is returned to him for repair or replacement.

The Supplier is obliged to carry out dismantling and re-installation of the part if this requires special knowledge. If such special knowledge is not required, the Supplier has fulfilled his obligations in respect of the defect when he delivers to the Purchaser a duly repaired or replaced part.

27. If the Purchaser has given such notice as mentioned in Clause 25 and no defect is found for which the Supplier is liable, the Supplier shall be entitled to compensation for the costs he has incurred as a result of the notice.

28. The Purchaser shall at his own expense arrange for any dismantling and reassembly of equipment other than the Product, to the extent that this is necessary to remedy the defect.

29. Unless otherwise agreed, necessary transport of the Product and/or parts thereof to and from the Supplier in connection with the remedying of defects for which the Supplier is liable shall be at the risk and expense of the Supplier. The Purchaser shall follow the Supplier's instructions regarding such transport.

30. Unless otherwise agreed, the Purchaser shall bear any additional costs which the Supplier incurs for repair, dismantling, installation and transport as a result of the Product being located in a place other than the destination stated in the contract or - if no destination is stated - the place of delivery.

31. Defective parts which have been replaced shall be made available to the Supplier and shall be his property.

32. If, within a reasonable time, the Supplier does not fulfil his obligations under Clause 26, the Purchaser may by notice in writing fix a final time for completion of the Supplier's obligations.

If the Supplier fails to fulfil his obligations within such final time, the Purchaser may himself undertake or employ a third party to undertake necessary remedial works at the risk and expense of the Supplier.

Where successful remedial works have been undertaken by the Purchaser or a third party, reimbursement by the Supplier of reasonable costs incurred by the Purchaser shall be in full settlement of the Supplier's liabilities for the said defect.

33. Where the defect has not been successfully remedied, as stipulated under Clause 32, a) the Purchaser is entitled to a reduction of the purchase price in proportion to the reduced value of the Product, provided that under no circumstance shall such reduction exceed 15 per cent of the purchase price, or

b) where the defect is so substantial as to significantly deprive the Purchaser of the benefit of the contract, the Purchaser may terminate the contract by notice in writing to the Supplier. The Purchaser is then entitled to compensation for the loss he has suffered up to a maximum of 15 per cent of the purchase price.

34. The Supplier is not liable for defects arising out of materials provided, or a design stipulated or specified by the Purchaser.

35. The Supplier is liable only for defects which appear under the conditions of operation provided for in the contract and under proper use of the Product.

The Supplier's liability does not cover defects which are caused by faulty maintenance, incorrect erection or faulty repair by the Purchaser, or by alterations carried out without the Supplier's consent in writing.

Finally the Supplier's liability does not cover normal wear and tear or deterioration.

36. Notwithstanding the provisions of Clauses 22-35 the Supplier shall not be liable for defects in any part of the Product for more than two years from the beginning of the period given in Clause 23.

37. Save as stipulated in Clauses 22-36, the Supplier shall not be liable for defects. This applies to any loss the defect may cause including loss of production, loss of profit and other indirect loss. This limitation of the Supplier's liability shall not apply if he has been guilty of intent or gross negligence as defined in Clause 15 or if the Supplier negligently causes damage to life, body or health.

Furthermore, the limitation of liability shall not apply in cases of negligent breach of a condition which goes to the root of the contract ("wesentliche Vertragspflichten"). In the case of slight negligence the Supplier shall be liable only for reasonably foreseeable damage which is intrinsic to the contract.

Nor shall the said limitation of liability apply in the cases of strict liability under the Product Liability Act ("Produkthaftungsgesetz"), for defects of the Product causing death or personal injury, or damage to items of property used privately. Furthermore the said limitation of liability shall not apply in the case of defects the Supplier has fraudulently concealed or whose absence he has guaranteed.

XI. FORCE MAJEURE

38. Either party shall be entitled to suspend performance of his obligations under the contract to the extent that such performance is impeded or made unreasonably onerous by any of the following circumstances: industrial disputes and any other circumstance beyond the control of the parties such as fire, war, extensive military mobilization, insurrection, requisition, seizure, embargo, restrictions in the use of power and defects or delays in deliveries by sub-contractors caused by any such circumstance referred to in this Clause.

A circumstance referred to in this Clause whether occurring prior to or after the formation of the contract shall give a right to suspension only if its effect on the performance of the

contract could not be foreseen at the time of the formation of the contract.

39. The party claiming to be affected by Force Majeure shall notify the other party in writing without delay on the intervention and on the cessation of such circumstance.

If Force Majeure prevents the Purchaser from fulfilling his obligations, he shall compensate the Supplier for expenses incurred in securing and protecting the Product.

40. Regardless of what might otherwise follow from these General Conditions, either party shall be entitled to terminate the contract by notice in writing to the other party if performance of the contract is suspended under Clause 39 for more than six months.

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XII. ANTICIPATED NON-PERFORMANCE

41. Notwithstanding other provisions in these General Conditions regarding suspension, each party shall be entitled to suspend the performance of his obligations under the contract, where it is clear from the circumstances that the other party will not be able to per-

form his obligations. A party suspending his performance of the contract shall forthwith notify the other party thereof in writing.

XIII. CONSEQUENTIAL LOSSES

42. Save as otherwise stated in these General Conditions there shall be no liability for either party towards the other party for loss of production, loss of profit, loss of use, loss of contracts or for any other consequential or indirect loss whatsoever. The said exclusion of liability shall not apply in the case of intent or gross negligence under Clause 15 or if the Supplier negligently causes damage to life, body or health. Furthermore, the exclusion of liability shall not apply in cases of negligent breach of a condition which goes to the root of the contract ("wesentliche Vertragspflichten"). In the case of slight negligence the Supplier shall be liable only for reasonably foreseeable damage which is intrinsic to the contract.

Nor shall the exclusion of liability apply in the cases of strict liability under the Product Liability Act ("Produkthaftungsgesetz"), for defects of the product causing death or personal injury, or damage to items of property used privately. Neither does the said exclusion apply in the case of damage attributable to fraudulent concealment or despite specific guarantees.

XIV. DISPUTES AND APPLICABLE LAW

43. All disputes arising out of or in connection with the contract shall be finally settled under the Rules of Arbitration of the International Chamber of Commerce by one or more arbitrators appointed in accordance with the said rules.

44. The contract shall be governed by the substantive law of the Supplier's country.



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