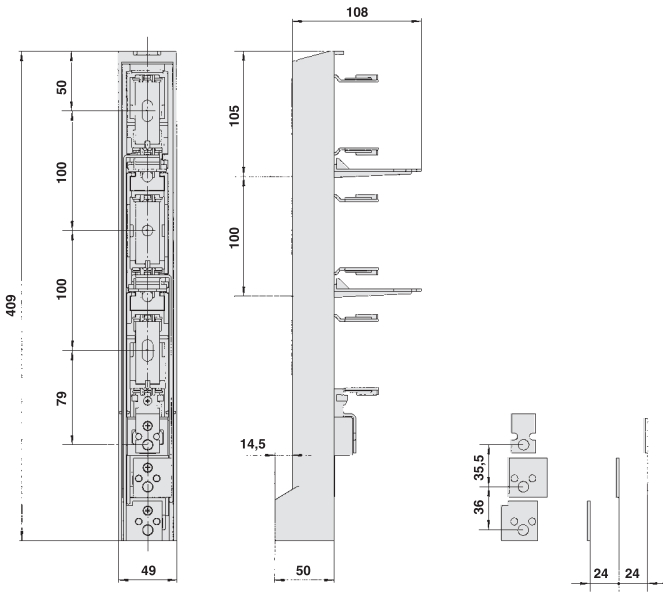
Vertical design fuse rails NH-00 BTVA 160 A for 100 mm busbar spacing with staggered terminals (TE)

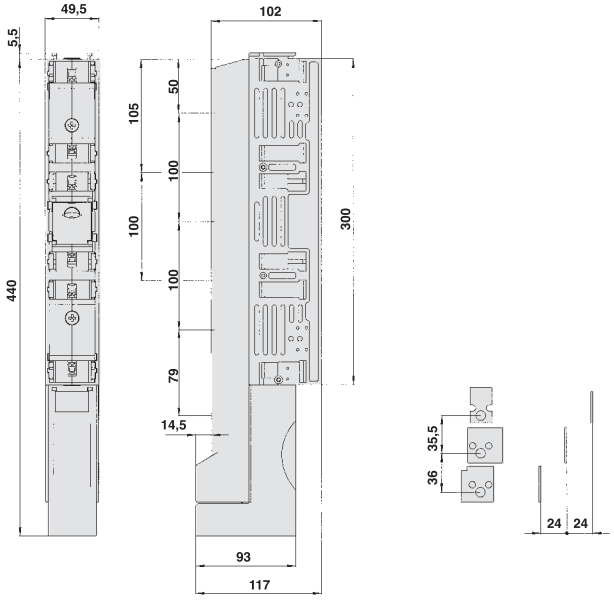
Reference	Type	Protection	Connections	Fuse link
423.11.XX.00	BTVA	without protection without connection cover	top / bottom reversible	NH - 00
423.31.XX.YY	BTVA-PC	protected with insulating cover	top / bottom reversible	NH - 00

XX: add code for terminal type (see page 10)
YY: add code for accessories (see page 10-11)

BTVA



BTVA-PC



Technical data TRIVER LV fuse rails & fuse switches

Vertical design fuse rails NH-00
BTVA 160 A - 100 mm / 185 mm busbar spacing- (fuse rails reference 423, 413)

IEC / EN 60269			Type →	BTVA / BTVA-PC Type 423 (100 mm)		BTVA / BTVA-P Type 413 (185 mm)	
Electrical characteristics	Rated operational voltage		U_e (V)	AC 500	AC 690	AC 500	AC 690
	Rated operational current		I_e (A)	160	100	160	100
	Conventional free air thermal current with fuses		I_{th} (A)	160	100	160	100
	Conventional free air thermal current with solid links		I_{th} (A)	210		250	
	Rated frequency		(Hz)	50			
	Rated conditional short-circuit current		(kA_{eff})	50			
	Test voltage		(kV)	3			
	Total power loss at I_{th} (without fuse)		P_v (W)	18	7	19	8
Mechanical characteristics	Weight		(kg)	0,920		1,650	
	Busbar distance		(mm)	100		185	
Fuse links	Size to IEC / EN 60269		--	00			
	Max. rated current (gL/gG)		I_n (A)	160	100	160	100
	Max. permis. power loss per fuse-link		P_v (W)	12	12	12	12
Terminals	Bolt terminal	Diameter	--	M8/M10			
		Cable lug	(mm^2)	10-95		10-150	
		Torque	(Nm)	12/20			
	Prism terminal	Terminal cross section	(mm^2)	16-95			
		Torque	(Nm)	2.5			
	V-terminal	Terminal cross section	(mm^2)	--		10-150	
		Torque	(Nm)	--		15	
	Bimetallic terminal	Terminal cross section	(mm^2)	10-70			
		Torque	(Nm)	12			
Protection level	Front operated switchgear fitted		--	IP20			
Operating Conditions	Ambient temperature		(˚C)	-25 to +55 *(1)			
	Rated operating mode		--	continuous operation			
	Actuation		--	dependant manual operation			
	Mounting position		--	vertical / horizontal			
	Altitude		(m)	up to 2000			
	Pollution degree		--	3			
	Overvoltage category		--	III			

*(1) 35˚C normal temperature, at 55˚C with reduced operating current