

Crimpmate Range pitch 5.00

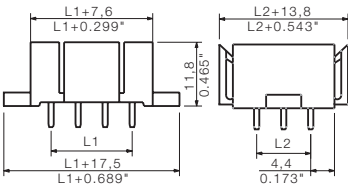
Crimpmate Range pitch 5.00	Male and female connectors with solder connection	L.2
	Male and female connectors with crimp connection	L.10
	Crimp contacts	L.12

RSV1.6 LSF SN

Accessories

Drilling diagrams

Crimpate Range
pitch 5.00

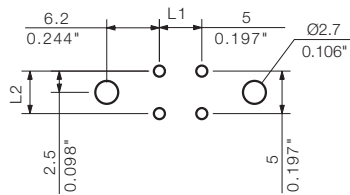


Coding

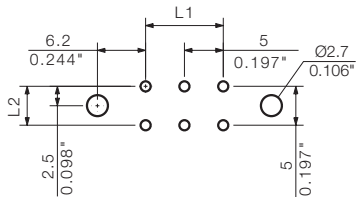
See chapter accessories



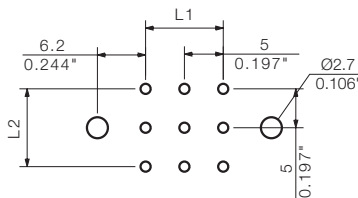
4-pole



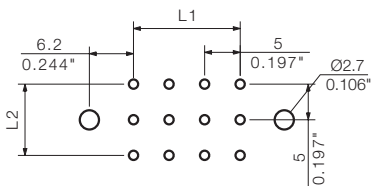
6-pole



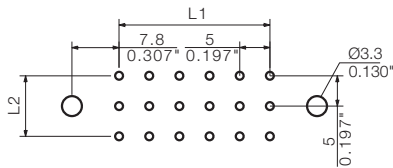
9-pole



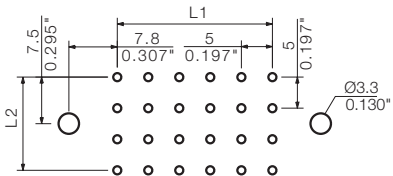
12-pole



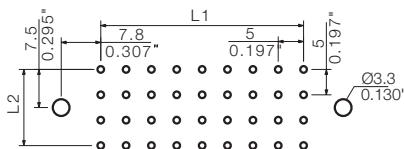
18-pole



24-pole



36-pole



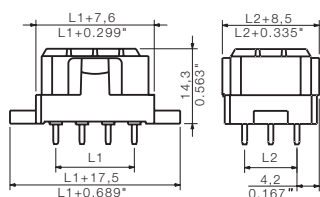
Ordering data

Solder pin length	3.2 mm	4.5 mm
Colour	grey	grey

Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	5.00	(0.197)	100	1440900000	1413900000
6	10.00	(0.394)	50	1441900000	1414900000
9	10.00	(0.394)	50	1442900000	1415900000
12	15.00	(0.591)	25	1443900000	1416900000
18	25.00	(0.984)	25	1444900000	1417900000
24	25.00	(0.984)	20	1445900000	1418900000
36	40.00	(1.575)	10	1446900000	1419900000

Accessories



Solder pin length	3.2 mm	4.5 mm
Colour	grey	grey

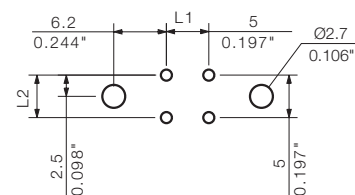
[illegible]

Poles	1 mm (inch)	Qty.	Order No.	Order No.
4	5.00 (0.197)	100	1440700000	1413700000
6	10.00 (0.394)	50	1441700000	1414700000
9	10.00 (0.394)	50	1442700000	1415700000
12	15.00 (0.591)	25	1443700000	1416700000
18	25.00 (0.984)	25	1444700000	1417700000
24	25.00 (0.984)	20	1445700000	1418700000
36	40.00 (1.575)	10	1446700000	1419700000

See chapter accessories



4-pole



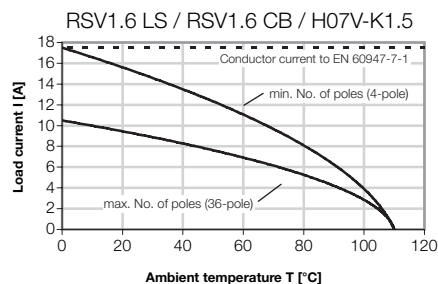
RSV 1.6 LS



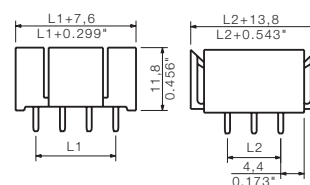
Rectangular two part PCB connector system with solder contacts. High connection density achieved by using several rows of pins which mate with crimp contacts. The two part connectors, in 5.00mm pitch, can be coded and locked to the mating connector. 3.2mm and 4.5mm solder pin lengths available. Supplied in cardboard box.

- 500V (IEC) / 300V (UL)
- 14A (IEC) / 10A (UL)

Derating curve



RSV1.6 LS AU



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²
Solid H05(07) V-U	mm ²
Stranded H07 V-R	mm ²
Flexible H05(07) V-K	mm ²
Flexible with ferrule	mm ²
Ferrule with plastic collar	mm ²
Stripping length	mm
Screwdriver blade	mm
according to norm	
Tightening torque range	Nm

**Rated current
at ambient temperature**

A	14	12
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Overvoltage category
Pollution severity

Rated voltage	V	250	320	500
Rated impulse voltage	kV	4	2.5	2.5

UL 1977 rated data - E92202

Rated voltage	V	300
Rated current	A	10
AWG conductor		

CSA C22.2 rated data - LR 53975

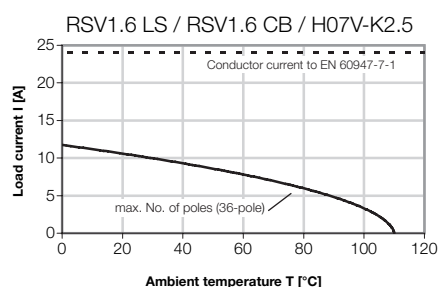
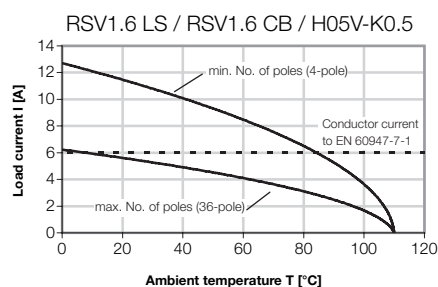
Rated voltage	V	300
Rated current	A	13
AWG conductor		

Material data

Type of insulating material	Wemid (PA)
Flammability class acc. UL94	V-0
Contact base material	Cu alloy
Material of contact surface	gold-plated

Information

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Spacing between rows: see hole layout
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.



Ordering data

Solder pin length	3.2 mm	4.5 mm
Colour	grey	grey

[illegible]

Pitch 5.00 mm

Poles	1 mm	(inch)	Qty.	Order No.	Order No.
4	5.00	(0.197)	100	1440400000	1413400000
6	10.00	(0.394)	50	1441400000	1414400000
9	10.00	(0.394)	50	1442400000	1415400000
12	15.00	(0.591)	25	1443400000	1416400000
18	25.00	(0.984)	25	1444400000	1417400000
24	25.00	(0.984)	20	1445400000	1418400000
36	40.00	(1.575)	10	1446400000	1419400000

RSV1.6 LSF AU

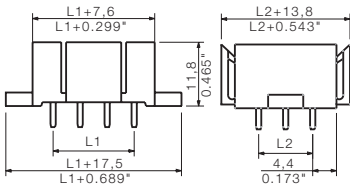
Accessories

Drilling diagrams

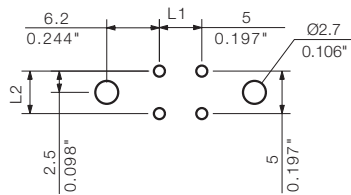


Coding

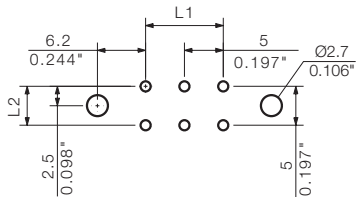
See chapter accessories



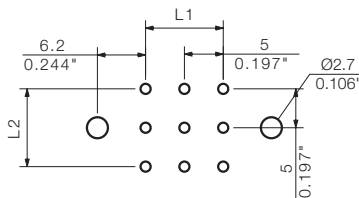
4-pole



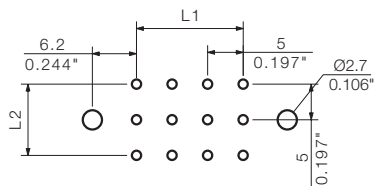
6-pole



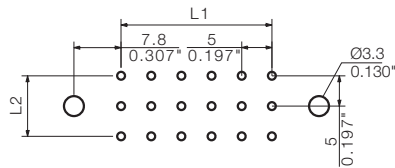
9-pole



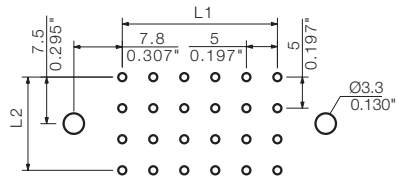
12-pole



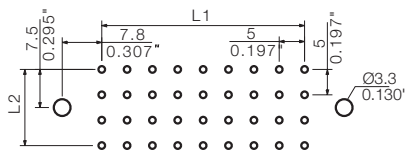
18-pole



24-pole



36-pole



Ordering data

Solder pin length	3.2 mm	4.5 mm
Colour	grey	grey

Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	5.00	(0.197)	100	1440800000	1413800000
6	10.00	(0.394)	50	1441800000	1414800000
9	10.00	(0.394)	50	1442800000	1415800000
12	15.00	(0.591)	25	1443800000	1416800000
18	25.00	(0.984)	25	1444800000	1417800000
24	25.00	(0.984)	20	1445800000	1418800000
36	40.00	(1.575)	10	1446800000	1419800000

RSV 1.6 LB



- 500V (IEC) / 300V (UL)
- 14A (IEC) / 10A (UL)

Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²
Solid H05(07) V-U	mm ²
Stranded H07 V-R	mm ²
Flexible H05(07) V-K	mm ²
Flexible with ferrule	mm ²
Ferrule with plastic collar	mm ²
Stripping length	mm
Screwdriver blade	mm
according to norm	
Tightening torque range	Nm

**Rated current
at ambient temperature**

A	14	12
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Overvoltage category
Pollution severity

Rated voltage	V	250	320	500
Rated impulse voltage	kV	4	2.5	2.5

UL 1977 rated data - E92202

Rated voltage	V	300
Rated current	A	10

CSA C22.2 rated data - LR 53975

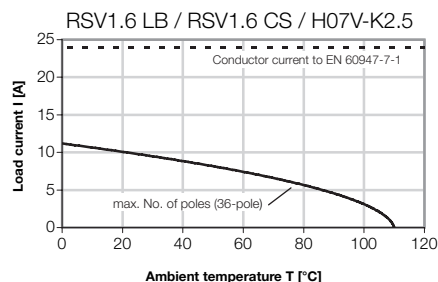
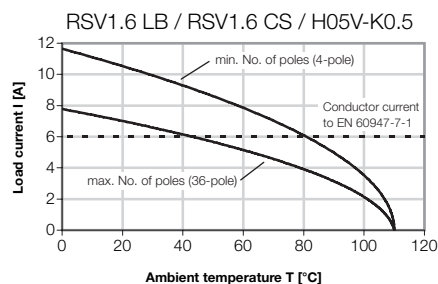
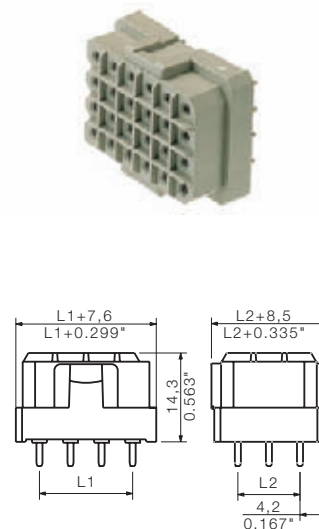
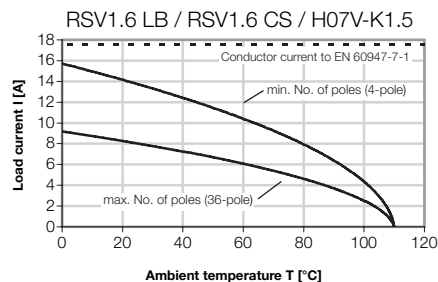
Rated voltage	V	300
Rated current	A	13
AWG conductor		

Material data

Type of insulating material	Wemid (PA)
Flammability class acc. UL94	V-0
Contact base material	Cu alloy
Material of contact surface	gold-plated

Information

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Spacing between rows: see hole layout
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.



Ordering data

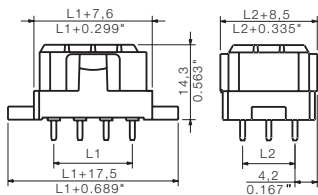
Solder pin length	3.2 mm	4.5 mm
Colour	grey	grey

[illegible]

Pitch 5.00 mm

Poles	1 mm (inch)	Qty.	Order No.	Order No.
4	5.00 (0.197)	100	1440200000	1413200000
6	10.00 (0.394)	50	1441200000	1414200000
9	10.00 (0.394)	50	1442200000	1415200000
12	15.00 (0.591)	25	1443200000	1416200000
18	25.00 (0.984)	25	1444200000	1417200000
24	25.00 (0.984)	20	1445200000	1418200000
36	40.00 (1.575)	10	1446200000	1419200000

RSV1.6 LBF AU



Ordering data

Solder pin length	3.2 mm	4.5 mm
Colour	grey	grey

Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	5.00	(0.197)	100	1440600000	1413600000
6	10.00	(0.394)	50	1441600000	1414600000
9	10.00	(0.394)	50	1442600000	1415600000
12	15.00	(0.591)	25	1443600000	1416600000
18	25.00	(0.984)	25	1444600000	1417600000
24	25.00	(0.984)	20	1445600000	1418600000
36	40.00	(1.575)	10	1446600000	1419600000

Accessories

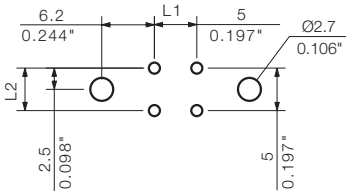
Coding

See chapter accessories

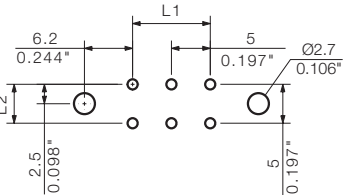


Drilling diagrams

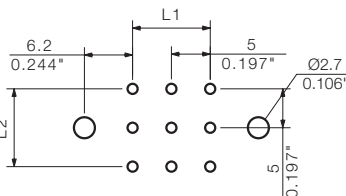
4-pole



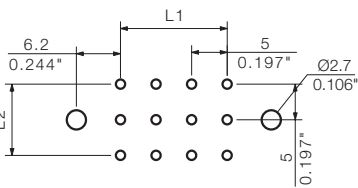
6-pole



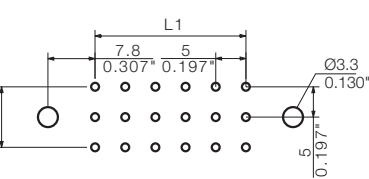
9-pole



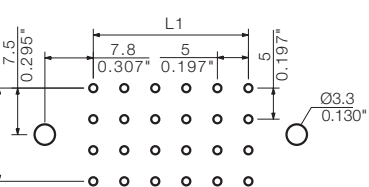
12-pole



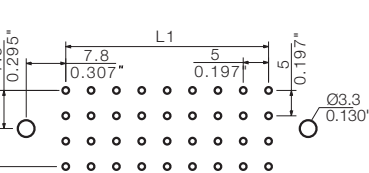
18-pole



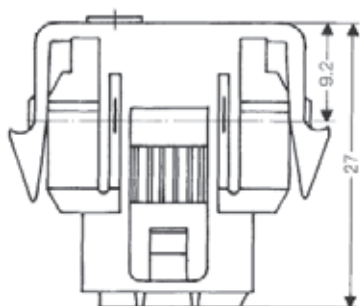
24-pole



36-pole



RSV1.6 CB



Ordering data

Solder pin length

Colour

grey

Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	5.00	(0.197)	25		1413000000
6	10.00	(0.394)	25		1414000000
9	10.00	(0.394)	25		1415000000
12	15.00	(0.591)	25		1416000000
18	25.00	(0.984)	25		1417000000
24	25.00	(0.984)	20		1418000000
36	40.00	(1.575)	10		1419000000

Accessories

Coding

See chapter accessories



Cable grip

See chapter accessories



Clip-on foot

See chapter accessories



Crimping tool

See chapter accessories

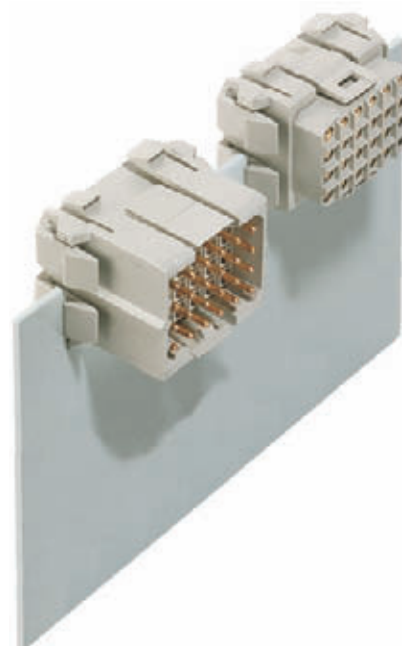


Extractor Tool

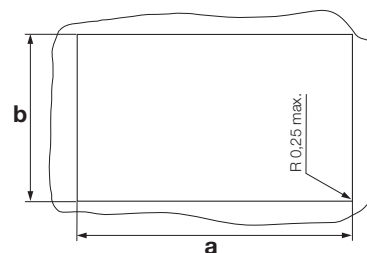
See chapter accessories



Mounting cutout



- Spring clips ensure firm hold in enclosure wall



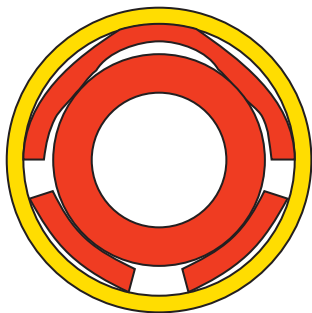
Mounting cutout for enclosure RSV 1.6
Wall thickness 1.5...2.0 mm

No. of poles	Dim. a (mm)*	Dim. b (mm)*
4	20.3	17.8
6	25.1	18.1
9	25.1	18.1
12	30.0	24.0
18	40.5	24.0
24	40.5	28.3
36	55.5	28.3

*) Tolerance: +0.3 mm

Crimp contacts

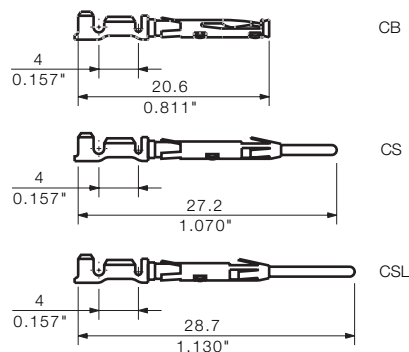
Contact system CB 1.6 / CS 1.6



- 4 defined contact points ensure high contact stability
- Lugs in the enclosing steel spring ensure the contact engages securely in the housing
- Up to 500 plugging cycles (gold version)
- Up to 100 plugging cycles (tin version)

CB 1.6 / CS 1.6

Crimp contacts



Ordering data

Tinned contacts

For cable size mm ²	AWG	Insulation diameter mm	
0.14 – 0.25	26 – 24	0.8 – 1.4	pin – standard pin – long * socket
0.34 – 0.5	22 – 20	1.1 – 1.8	pin – standard pin – long * socket
0.34 – 0.5	22 – 20	2.0 – 2.5	pin – standard pin – long * socket
0.75 – 1.5	18 – 16	2.0 – 2.5	pin – standard pin – long * socket
0.75 – 1.5	18 – 16	2.0 – 3.5	pin – standard pin – long * socket
2.5	14 – 12	2.8 – 3.5	pin – standard pin – long * socket
2.5	14 – 12	2.8 – 4.2	pin – standard pin – long * socket

Separate contacts Order No.	Qty.	Cont. on a strip Order No.	Qty.
1421600000	250	1421500000	5000
1421700000	250	1565900000	5000
1421900000	250	1421800000	5000
1423600000	250	1423500000	5000
1423700000	250	1565870000	5000
1423900000	250	1423800000	5000
1425600000	250	1425500000	5000
1425700000	250	1565840000	5000
1425900000	250	1425800000	5000
1427600000	250	1427500000	5000
1427700000	250	1565810000	5000
1427900000	250	1427800000	5000
1582270000	250	1582280000	3000
1582350000	250	1582360000	3000
1582430000	250	1582440000	3000
1429600000	250	1429500000	3000
1429700000	250	1565780000	3000
1429900000	250	1429800000	3000
1582310000	250	1582320000	3000
1582390000	250	1582400000	3000
1582470000	250	1582480000	3000

Ordering data

Gold-plated contacts

For cable sizes mm ²	AWG	Insulation diameter mm	
0.14 - 0.25	26 - 24	0.8 - 1.4	pin – standard pin – long * socket
0.34 - 0.5	22 - 20	1.1 - 1.8	pin – standard pin – long * socket
0.34 - 0.5	22 - 20	2.0 - 2.5	pin – standard pin – long * socket
0.75 - 1.5	18 - 16	2.0 - 2.5	pin – standard pin – long * socket
0.75 - 1.5	18 - 16	2.0 - 3.5	pin – standard pin – long * socket
2.5	14 - 12	2.8 - 3.5	pin – standard pin – long * socket
2.5	14 - 12	2.8 - 4.2	pin – standard pin – long * socket

Separate contacts Order No.	Qty.	Cont. on a strip Order No.	Qty.
1420600000	250	1420500000	5000
1420700000	250	1565880000	5000
1420900000	250	1420800000	5000
1422600000	250	1422500000	5000
1422700000	250	1565850000	5000
1422900000	250	1422800000	5000
1424600000	250	1424500000	5000
1424700000	250	1565820000	5000
1424900000	250	1424800000	5000
1426600000	250	1426500000	5000
1426700000	250	1565790000	5000
1426900000	250	1426800000	5000
1582250000	250	1582260000	3000
1582330000	250	1582340000	3000
1582410000	250	1582420000	3000
1428600000	250	1428500000	3000
1428700000	250	1565760000	3000
1428900000	250	1428800000	3000
1582290000	250	1582300000	3000
1582370000	250	1582380000	3000
1582450000	250	1582460000	3000

Accessories

Crimping tool

see "Accessories" chapter



Removal tool

see "Accessories" chapter



