



#### General ordering data

Order No.	1417100000
Part designation	RSV1,6 S18 GR
Version	PCB plug-in connector, Male connectors, Crimp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 18, 180°, Box
EAN	4008190103361
Qty.	25 pc(s).

#### System parameters

Conductor connection system	Crimp connection
Outgoing direction of conductor	180°
Pitch	5 mm
Pitch in inch	0.197 inch
No. of poles	18
No. of rows	2...4
Stripping length	4 mm
L1 in mm	25 mm
L1 in inch	0.984 inch
Electric shock protection to DIN VDE 0470	IP20 plugged
Electric shock protection to DIN VDE 0470	Safe from finger touch, plugged

#### Material data

Insulating material	Wemid (PA)
Colour	pebble grey
colour chart	Similar to RAL 7032
Insulating material group	I
Flammability class UL 94	V-0
CTI	>= 600
Contact base material	Copper alloy

#### Connectable conductors

Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	3.31 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>

#### Connectable conductors

Flexible, max. H05(07) V-K 2.5 mm<sup>2</sup>

#### DIN IEC rating data

Rated current, min. No. pins (Tu=20°C)	17 A
Rated current, max. No. pins (Tu=20°C)	13 A
Rated current, min. No. pins (Tu=40°C)	15 A
Rated current, max. No. pins (Tu=40°C)	11.5 A
Rated voltage for overvoltage class/pollution severity II/2	630 V
Rated voltage for overvoltage class/pollution severity III/2	400 V
Rated voltage for overvoltage class/pollution severity III/3	250 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	4 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	4 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	4 kV
Short-time withstand current resistance	3 x 1s with 120 A

#### CSA rating data

Rated voltage (Use group C)	600 V
Rated current (Use group C)	13 A
AWG conductor (field wiring), min.	26
AWG conductor (field wiring), max.	12

#### UL 1977 rating data

Rated voltage (UL 1977)	600 V
Rated current (UL 1977)	10 A
AWG-conductor, min. (UL 1977)	26
AWG-conductor, max. (UL 1977)	12

#### Approvals

Approvals institutes



#### Downloads

CAD Library (P-CAD Format - Standard) RSV1.6.LIB

#### Classifications

ETIM 2.0	NK
ETIM 3.0	EC001284
eClass 4.1	27-26-07-01
eClass 5.0	27-26-07-01
eClass 5.1	27-26-07-01

#### Similar products

Order No.	Part designation	Version
1413100000	RSV1,6 S4 GR	PCB plug-in connector, Male connectors, Crimp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 4, 180°, Box
1414100000	RSV1,6 S6 GR	PCB plug-in connector, Male connectors, Crimp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 6, 180°, Box
1415100000	RSV1,6 S9 GR	PCB plug-in connector, Male connectors, Crimp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 9, 180°, Box
1416100000	RSV1,6 S12 GR	PCB plug-in connector, Male connectors, Crimp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 12, 180°, Box
1418100000	RSV1,6 S24 GR	PCB plug-in connector, Male connectors, Crimp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 24, 180°, Box
1419100000	RSV1,6 S36 GR	PCB plug-in connector, Male connectors, Crimp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 36, 180°, Box