

Order No.	1612950000
Part designation	STW S 4 SB GR
Version	PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 4 mm², Pitch: 7.00 mm, No. of poles: 4, 90°, Box
EAN	4008190401375
Qty.	10 pc(s).

System parameters	
	Loof apring connection
Conductor connection system	Leaf spring connection
Outgoing direction of conductor	90°
Pitch	7 mm
Pitch in inch	0.276 inch
No. of poles	4
No. of rows	1
Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264
Tightening torque, min.	0.5 Nm
Tightening torque, max.	0.6 Nm
Clamping screw	M 3
Stripping length	9 mm
L1 in mm	21 mm
L1 in inch	0.827 inch
Electric shock protection to DIN VDE 0470	IP 20
Electric shock protection to DIN VDE 0470	Safe from finger touch

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	CuZn



Material data	
Contact surface	silver-plated
	omor planes
Connectable conductors	
Clamping range, min.	0.32 mm²
Clamping range, max.	4 mm²
AWG, min.	22
AWG, max.	12
Solid, min. H05(07) V-U	0.5 mm ²
Solid, max. H05(07) V-U	4 mm ²
Flexible, min. H05(07) V-K	0.5 mm ²
Flexible, max. H05(07) V-K	4 mm ²
With wire end ferrule, acc. to DIN 46 228/1, min.	0.5 mm ²
	4 mm ²
With wire end ferrule, acc. to DIN 46 228/1, max.	
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.5 mm²
w. plastic collar ferrule, DIN 46228 pt 4, max.	4 mm ²
Gauge to EN 60999 a x b; ø	2.8 mm x 2.2 mm;
DIN IEO de la	
DIN IEC rating data	00.4
Rated current, min. No. pins (Tu=20°C)	32 A
Rated current, max. No. pins (Tu=20°C)	28 A
Rated current, min. No. pins(Tu=40°C)	32 A
Rated current, max. No. pins (Tu=40°C)	24 A
Rated voltage for overvoltage class/pollution	1,000 V
severity II/2	
Rated voltage for overvoltage class/pollution	500 V
severity III/2	
Rated voltage for overvoltage class/pollution	500 V
severity III/3	
Rated impulse withstand voltage for overvoltage	6 kV
class/pollution severity II/2	
Rated impulse withstand voltage for overvoltage	6 kV
class/pollution severity III/2	
Rated impulse withstand voltage for overvoltage	6 kV
class/pollution severity III/3	
Short-time withstand current resistance	3 x 1s with 340 A
CSA rating data	
Rated voltage (Use group D)	300 V
Rated current (Use group D)	25 A
AWG conductor (field wiring), min.	20
AWG conductor (field wiring), max.	12
III 1077 rating data	
UL 1977 rating data	600 \/
Rated voltage (UL 1977)	600 V
Rated current (UL 1977)	25 A
AWG-conductor, min. (UL 1977)	22
AWG-conductor, max. (UL 1977)	12



Approvals

Approvals institutes





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

1612930000	STW S 2 SB GR	PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 4 mm², Pitch: 7.00 mm, No. of poles: 2, 90°, Box
1612940000	STW S 3 SB GR	PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 4 mm², Pitch: 7.00 mm, No. of poles: 3, 90°, Box
1612960000	STW S 5 SB GR	PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 4 mm², Pitch: 7.00 mm, No. of poles: 5, 90°, Box
1612970000	STW S 6 SB GR	PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 4 mm², Pitch: 7.00 mm, No. of poles: 6, 90°, Box
1612980000	STW S 7 SB GR	PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 4 mm², Pitch: 7.00 mm, No. of poles: 7, 90°, Box
1612990000	STW S 8 SB GR	PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 4 mm², Pitch: 7.00 mm, No. of poles: 8, 90°, Box
1613000000	STW S 9 SB GR	PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 4 mm², Pitch: 7.00 mm, No. of poles: 9, 90°, Box
1613010000	STW S 10 SB GR	PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 4 mm², Pitch: 7.00 mm, No. of poles: 10, 90°, Box

