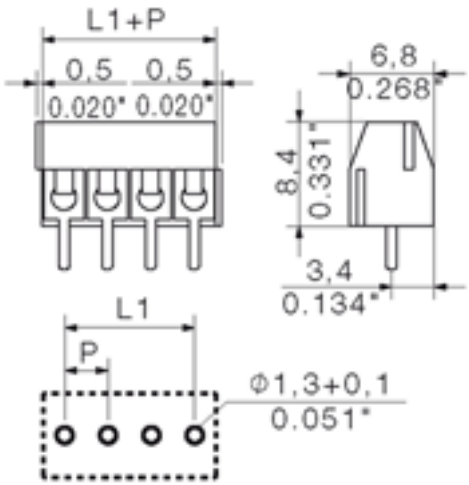




General ordering data	
Order No.	1811180000
Part designation	PS 3.5/2/90 3.5SW
Version	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 2, 90°, Box
EAN	4032248290161
Qty.	100 pc(s).

System parameters	
Product family	System PS
Conductor connection system	Leaf spring connection
Fitted to PCB	Soldered connection
Outgoing direction of conductor	90°
Pitch	3.5 mm
Pitch in inch	0.138 inch
No. of poles	2
Fitted by customer	yes
Max. adjacent poles per row	24
No. of rows	1
Solder pin length	3.5 mm
Dia. of fitting hole	1.3 mm
No. of solder pins per pole	1
Screwdriver blade	0.4 x 2.5
Screwdriver blade standard	DIN 5264
Tightening torque, min.	0.2
Tightening torque, max.	0.25 Nm
Clamping screw	M 2.5
Stripping length	4 mm
L1 in mm	3.5 mm
L1 in inch	0.138 inch
Electric shock protection to DIN VDE 0470	IP 20
Electric shock protection to DIN VDE 0470	Safe from finger touch

Material data	
Insulating material	Wemid (PA)
Colour	black
colour chart	Similar to RAL 9011
Insulating material group	I
Flammability class UL 94	V-0
CTI	>= 600
Contact base material	Copper alloy
Contact surface	tinned
Storage temperature, min.	-20 °C
Storage temperature, max.	55 °C

Connectable conductors	
Clamping range, min.	0.08 mm²
Clamping range, max.	1.5 mm²
AWG, min.	28
AWG, max.	16
O.D. of conductor insulation, max.	2.9 mm
Solid, min. H05(07) V-U	0.2 mm²
Solid, max. H05(07) V-U	1.5 mm²
Flexible, min. H05(07) V-K	0.2 mm²
Flexible, max. H05(07) V-K	1.5 mm²
With wire end ferrule, acc. to DIN 46 228/1, min.	0.25 mm²
With wire end ferrule, acc. to DIN 46 228/1, max.	0.75 mm²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm²
w. plastic collar ferrule, DIN 46228 pt 4, max.	0.75 mm²

DIN IEC rating data	
Rated current, min. No. pins (Tu=20°C)	17.5 A
Rated current, max. No. pins (Tu=20°C)	17.5 A
Rated current, min. No. pins(Tu=40°C)	17.5 A
Rated current, max. No. pins (Tu=40°C)	17.5 A
Rated voltage for overvoltage class/pollution severity II/2	320 V
Rated voltage for overvoltage class/pollution severity III/2	160 V
Rated voltage for overvoltage class/pollution severity III/3	160 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	2.5 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	2.5 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	2.5 kV

CSA rating data	
AWG conductor (field wiring), min.	28
AWG conductor (field wiring), max.	16

UL 1059 rating data	
Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A

UL 1059 rating data	
AWG conductor, min.	28
AWG conductor, max.	16

Approvals	
Approvals institutes	

Downloads	
CAD Library (P-CAD Format - Standard)	PS.lib

Classifications	
ETIM 2.0	NK
ETIM 3.0	EC001284
eClass 4.1	NK
eClass 5.0	NK
eClass 5.1	NK

Similar products

Order No.	Part designation	Version
1912400000	PS 3.5/10/90 3.5 OR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 10, 90°, Box
1912320000	PS 3.5/2/90 3.5 OR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 2, 90°, Box
1811290000	PS 3.5/2/90 3.5GR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 2, 90°, Box
1811400000	PS 3.5/2/90 3.5GN	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 2, 90°, Box
1912330000	PS 3.5/3/90 3.5 OR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 3, 90°, Box

1811190000	PS 3.5/3/90 3.5SW	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 3, 90°, Box
1811300000	PS 3.5/3/90 3.5GR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 3, 90°, Box
1811410000	PS 3.5/3/90 3.5GN	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 3, 90°, Box
1912340000	PS 3.5/4/90 3.5 OR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 4, 90°, Box
1811200000	PS 3.5/4/90 3.5SW	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 4, 90°, Box
1811310000	PS 3.5/4/90 3.5GR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 4, 90°, Box
1811420000	PS 3.5/4/90 3.5GN	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 4, 90°, Box
1912350000	PS 3.5/5/90 3.5 OR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 5, 90°, Box
1811210000	PS 3.5/5/90 3.5SW	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 5, 90°, Box
1811320000	PS 3.5/5/90 3.5GR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 5, 90°, Box
1811430000	PS 3.5/5/90 3.5GN	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 5, 90°, Box
1912360000	PS 3.5/6/90 3.5 OR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 6, 90°, Box
1811220000	PS 3.5/6/90 3.5SW	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 6, 90°, Box
1811330000	PS 3.5/6/90 3.5GR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 6, 90°, Box
1811440000	PS 3.5/6/90 3.5GN	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 6, 90°, Box
1912370000	PS 3.5/7/90 3.5 OR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 7, 90°, Box
1811230000	PS 3.5/7/90 3.5SW	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 7, 90°, Box

1811340000	PS 3.5/7/90 3.5GR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 7, 90°, Box
1811450000	PS 3.5/7/90 3.5GN	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 7, 90°, Box
1912380000	PS 3.5/8/90 3.5 OR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 8, 90°, Box
1811240000	PS 3.5/8/90 3.5SW	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 8, 90°, Box
1811350000	PS 3.5/8/90 3.5GR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 8, 90°, Box
1811460000	PS 3.5/8/90 3.5GN	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 8, 90°, Box
1912390000	PS 3.5/9/90 3.5 OR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 9, 90°, Box
1811250000	PS 3.5/9/90 3.5SW	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 9, 90°, Box
1811360000	PS 3.5/9/90 3.5GR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 9, 90°, Box
1811470000	PS 3.5/9/90 3.5GN	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 9, 90°, Box
1912410000	PS 3.5/11/90 3.5 OR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 11, 90°, Box
1811260000	PS 3.5/10/90 3.5SW	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 10, 90°, Box
1811370000	PS 3.5/10/90 3.5GR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 10, 90°, Box
1811480000	PS 3.5/10/90 3.5GN	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 10, 90°, Box
1912420000	PS 3.5/12/90 3.5 OR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 12, 90°, Box
1811270000	PS 3.5/11/90 3.5SW	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 11, 90°, Box
1811380000	PS 3.5/11/90 3.5GR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 11, 90°, Box

1811490000	PS 3.5/11/90 3.5GN	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 11, 90°, Box
1811280000	PS 3.5/12/90 3.5SW	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 12, 90°, Box
1811390000	PS 3.5/12/90 3.5GR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 12, 90°, Box
1811500000	PS 3.5/12/90 3.5GN	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 12, 90°, Box