


**General ordering data**

Order No.	1791640000
Part designation	PM 5.00/3/90 3.5 SW
Version	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 3, 90°, Box
EAN	4032248223039
Qty.	500 pc(s).

**System parameters**

Product family	System PM
Conductor connection system	Leaf spring connection
Fitted to PCB	Soldered connection
Outgoing direction of conductor	90°
Pitch	5 mm
Pitch in inch	0.197 inch
No. of poles	3
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
Fitting hole tolerance	+ 0.1 mm
No. of solder pins per pole	1
Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264
Tightening torque, min.	0.4 Nm
Tightening torque, max.	0.5 Nm
Clamping screw	M 2.5
Stripping length	6 mm
L1 in mm	10 mm
L1 in inch	0.394 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.	-25 °C
Storage temperature, max.	55 °C

**Connectable conductors**

Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	2.5 mm <sup>2</sup>
AWG, min.	26
AWG, max.	14
Solid, min. H05(07) V-U	0.13 mm <sup>2</sup>
Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.13 mm <sup>2</sup>
Flexible, max. H05(07) V-K	2.5 mm <sup>2</sup>
With wire end ferrule, acc. to DIN 46 228/1, min.	0.25 mm <sup>2</sup>
With wire end ferrule, acc. to DIN 46 228/1, max.	1.5 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm <sup>2</sup>

**DIN IEC rating data**

Rated current, min. No. pins (Tu=20°C)	24 A
Rated current, max. No. pins (Tu=20°C)	24 A
Rated current, min. No. pins (Tu=40°C)	24 A
Rated current, max. No. pins (Tu=40°C)	24 A
Rated voltage for overvoltage class/pollution severity II/2	600 V
Rated voltage for overvoltage class/pollution severity III/2	250 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 D)	300 V
Rated current (Use group D)	10 A
AWG conductor (field wiring), min.	26
AWG conductor (field wiring), max.	14

**UL 1059 rating data**

Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A
AWG conductor, min.	26
AWG conductor, max.	14

**Approvals**

Approvals institutes

**Downloads**

CAD Library (P-CAD Format - Standard)	PM.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
1791610000	PM 5.00/2/90 3.5 OR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 90°, Box
1791630000	PM 5.00/2/90 3.5 SW	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 90°, Box
1912480000	PM 5.00/2/90 3.5 GR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 90°, Box
1912450000	PM 5.00/2/90 3.5 GN	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 90°, Box
1791620000	PM 5.00/3/90 3.5 OR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 3, 90°, Box
1912490000	PM 5.00/3/90 3.5 GR	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 3, 90°, Box

1912470000 PM 5.00/3/90 3.5 GN

PCB terminal, Leaf spring connection, Soldered connection,  
Clamping range, max.: 2.5 mm<sup>2</sup>, Pitch: 5.00 mm, No. of poles: 3,  
90°, Box