


General ordering data

Order No.	1791620000
Part designation	PM 5.00/3/90 3.5 OR
Version	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 3, 90°, Box
EAN	4032248223015
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	orange
colour chart	Similar to RAL 2000
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 ²
Clamping range, max.	2.5 mm ²
AWG, min.	26
AWG, max.	14
Solid, min. H05(07) V-U	0.13 mm ²
Solid, max. H05(07) V-U	2.5 mm ²
Flexible, min. H05(07) V-K	0.13 mm ²
Flexible, max. H05(07) V-K	2.5 mm ²
With wire end ferrule, acc. to DIN 46 228/1, min.	0.25 mm ²
With wire end ferrule, acc. to DIN 46 228/1, max.	1.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm ²

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
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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 ² , 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 ² , 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 ² , 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 ² , Pitch: 5.00 mm, No. of poles: 2, 90°, Box
1791640000	PM 5.00/3/90 3.5 SW	PCB terminal, Leaf spring connection, Soldered connection, Clamping range, max.: 2.5 mm ² , 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 ² , 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 ² , Pitch: 5.00 mm, No. of poles: 3, 90°, Box