


**General ordering data**

Order No.	1761410000
Part designation	GSE 10/5/180 4.5GR
Version	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 11 mm <sup>2</sup> , Pitch: 10.16 mm, No. of poles: 5, 180°, Box
EAN	4032248033300
Qty.	20 pc(s).

**System parameters**

Product family	System GSE
Conductor connection system	Clamping yoke connection
Fitted to PCB	Soldered connection
Outgoing direction of conductor	180°
Pitch	10.16 mm
Pitch in inch	0.4 inch
No. of poles	5
Fitted by customer	yes
Max. adjacent poles per row	10
No. of rows	1
Solder pin length	4.5 mm
Dia. of fitting hole	1.3 mm
Fitting hole tolerance	+ 0.1 mm
No. of solder pins per pole	2

**System parameters**

Screwdriver blade	1.0 x 5.5
Screwdriver blade standard	DIN 5264
Tightening torque, min.	1.2 Nm
Tightening torque, max.	1.2 Nm
Clamping screw	M 4
Stripping length	10 mm
L1 in mm	40.64 mm
L1 in inch	1.6 inch
Electric shock protection to DIN VDE 0470	IP 20

**Material data**

Insulating material	PA
Colour	pebble grey
colour chart	Similar to RAL 7032
Insulating material group	I
Flammability class UL 94	V-2
CTI	>= 600
Contact base material	E-Cu
Contact surface	tinned
Storage temperature, min.	-20 °C
Storage temperature, max.	55 °C

**Connectable conductors**

Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	11 mm <sup>2</sup>
AWG, min.	26
AWG, max.	8
Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>
Solid, max. H05(07) V-U	10 mm <sup>2</sup>
Stranded, min. H07V-R	6 mm <sup>2</sup>
Stranded, max. H07V-R	10 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>
Flexible, max. H05(07) V-K	10 mm <sup>2</sup>
With wire end ferrule, acc. to DIN 46 228/1, min.	0.75 mm <sup>2</sup>
With wire end ferrule, acc. to DIN 46 228/1, max.	4 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.75 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, max.	4 mm <sup>2</sup>

**DIN IEC rating data**

Rated current, min. No. pins (Tu=20°C)	57 A
Rated current, max. No. pins (Tu=20°C)	40 A
Rated current, min. No. pins (Tu=40°C)	57 A
Rated current, max. No. pins (Tu=40°C)	34 A
Rated voltage for overvoltage class/pollution severity II/2	1,000 V
Rated voltage for overvoltage class/pollution severity III/2	500 V
Rated voltage for overvoltage class/pollution severity III/3	400 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	6 kV

#### DIN IEC rating data

Rated impulse withstand voltage for overvoltage class/pollution severity III/2	6 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	6 kV

#### 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.	8

#### UL 1059 rating data

Rated voltage (Use group C)	150 V
Rated current (Use group C)	40 A
Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A
AWG conductor, min.	26
AWG conductor, max.	8

#### Approvals

Approvals institutes



#### Downloads

CAD Library (P-CAD Format - Standard)	GSE.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
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0478700000	GSE 10/1/180 4.5GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 11 mm <sup>2</sup> , Pitch: 10.16 mm, No. of poles: 1, 180°, Box
9954140000	GSE 10/2/180 4.5GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 11 mm <sup>2</sup> , Pitch: 10.16 mm, No. of poles: 2, 180°, Box
0478900000	GSE 10/3/180 4.5GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 11 mm <sup>2</sup> , Pitch: 10.16 mm, No. of poles: 3, 180°, Box
1610220000	GSE 10/4/180 4.5GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 11 mm <sup>2</sup> , Pitch: 10.16 mm, No. of poles: 4, 180°, Box
9954160000	GSE 10/6/180 4.5GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 11 mm <sup>2</sup> , Pitch: 10.16 mm, No. of poles: 6, 180°, Box
9958370000	GSE 10/7/180 4.5GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 11 mm <sup>2</sup> , Pitch: 10.16 mm, No. of poles: 7, 180°, Box
9954170000	GSE 10/8/180 4.5GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 11 mm <sup>2</sup> , Pitch: 10.16 mm, No. of poles: 8, 180°, Box
9958380000	GSE 10/9/180 4.5GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 11 mm <sup>2</sup> , Pitch: 10.16 mm, No. of poles: 9, 180°, Box
9954180000	GSE 10/10/180 4.5GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 11 mm <sup>2</sup> , Pitch: 10.16 mm, No. of poles: 10, 180°, Box