


General ordering data

Order No.	1610220000
Part designation	GSE 10/4/180 4.5GR
Version	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 11 mm ² , Pitch: 10.16 mm, No. of poles: 4, 180°, Box
EAN	4008190044848
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	4
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	30.48 mm
L1 in inch	1.2 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 ²
Clamping range, max.	11 mm ²
AWG, min.	26
AWG, max.	8
Solid, min. H05(07) V-U	0.5 mm ²
Solid, max. H05(07) V-U	10 mm ²
Stranded, min. H07V-R	6 mm ²
Stranded, max. H07V-R	10 mm ²
Flexible, min. H05(07) V-K	0.5 mm ²
Flexible, max. H05(07) V-K	10 mm ²
With wire end ferrule, acc. to DIN 46 228/1, min.	0.75 mm ²
With wire end ferrule, acc. to DIN 46 228/1, max.	4 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.75 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	4 mm ²

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 ² , 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 ² , 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 ² , Pitch: 10.16 mm, No. of poles: 3, 180°, Box
1761410000	GSE 10/5/180 4.5GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 11 mm ² , Pitch: 10.16 mm, No. of poles: 5, 180°, Box
9954160000	GSE 10/6/180 4.5GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 11 mm ² , 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 ² , 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 ² , 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 ² , 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 ² , Pitch: 10.16 mm, No. of poles: 10, 180°, Box