



General ordering data

Order No.	1839230000
Part designation	LUP 12.7/7/90 3.2 GR
Version	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 16 mm ² , Pitch: 12.70 mm, No. of poles: 7, 90°, Box
EAN	4032248349739
Qty.	20 pc(s).

System parameters

Product family	System LUP
Conductor connection system	Clamping yoke connection
Fitted to PCB	Soldered connection
Outgoing direction of conductor	90°
Pitch	12.7 mm
Pitch in inch	0.5 inch
No. of poles	7
Fitted by customer	yes
Max. adjacent poles per row	12
No. of rows	1
Solder pin length	3.2 mm
Dia. of fitting hole	1.6 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.	1.5 Nm
Clamping screw	M 4
Stripping length	12 mm
L1 in mm	76.2 mm
L1 in inch	3 inch
Electric shock protection to DIN VDE 0470	IP20 plugged/ IP10 unplugged
Electric shock protection to DIN VDE 0470	Safe from finger touch

Material data

Insulating material	Wemid (PA)
Colour	pebble grey
colour chart	Similar to RAL 7032
Insulating material group	I
Flammability class UL 94	V-0
CTI	>= 600
Temperature of glow-wire test	960 °C
Duration of glow-wire test	30 S
Contact base material	E-Cu
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.	16 mm ²
AWG, min.	22
AWG, max.	6
Solid, min. H05(07) V-U	0.5 mm ²
Solid, max. H05(07) V-U	16 mm ²
Stranded, min. H07V-R	6 mm ²
Stranded, max. H07V-R	16 mm ²
Flexible, min. H05(07) V-K	0.5 mm ²
Flexible, max. H05(07) V-K	16 mm ²
With wire end ferrule, acc. to DIN 46 228/1, min.	2.5 mm ²
With wire end ferrule, acc. to DIN 46 228/1, max.	10 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	2.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	10 mm ²
Gauge to EN 60999 a x b; ø	5.4 mm x 5.1 mm; 5.3 mm

DIN IEC rating data

Rated current, min. No. pins (Tu=20°C)	76 A
Rated current, max. No. pins (Tu=20°C)	74 A
Rated current, min. No. pins (Tu=40°C)	76 A
Rated current, max. No. pins (Tu=40°C)	64 A
Rated voltage for overvoltage class/pollution severity II/2	1,000 V
Rated voltage for overvoltage class/pollution severity III/2	1,000 V

DIN IEC rating data

Rated voltage for overvoltage class/pollution severity III/3	1,000 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	6 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	8 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	8 kV
Short-time withstand current resistance	1 x 1s with 700 A

CSA rating data

Rated current (Use group C)	58 A
Rated voltage (Use group C)	600 V
Rated voltage (Use group D)	600 V
Rated current (Use group D)	5 A
AWG conductor (field wiring), min.	22
AWG conductor (field wiring), max.	6

UL 1059 rating data

Rated voltage (Use group C)	600 V
Rated current (Use group C)	58 A
Rated voltage (Use group D)	600 V
Rated current (Use group D)	5 A
AWG conductor, min.	26
AWG conductor, max.	6

Approvals

Approvals institutes

**Downloads**

CAD Library (P-CAD Format - Standard)	LUP.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

Classifications

Similar products

Order No.	Part designation	Version
1839180000	LUP 12.7/2/90 3.2 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 16 mm ² , Pitch: 12.70 mm, No. of poles: 2, 90°, Box
1839190000	LUP 12.7/3/90 3.2 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 16 mm ² , Pitch: 12.70 mm, No. of poles: 3, 90°, Box
1839200000	LUP 12.7/4/90 3.2 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 16 mm ² , Pitch: 12.70 mm, No. of poles: 4, 90°, Box
1839210000	LUP 12.7/5/90 3.2 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 16 mm ² , Pitch: 12.70 mm, No. of poles: 5, 90°, Box
1839220000	LUP 12.7/6/90 3.2 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 16 mm ² , Pitch: 12.70 mm, No. of poles: 6, 90°, Box
1839240000	LUP 12.7/8/90 3.2 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 16 mm ² , Pitch: 12.70 mm, No. of poles: 8, 90°, Box
1839250000	LUP 12.7/9/90 3.2 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 16 mm ² , Pitch: 12.70 mm, No. of poles: 9, 90°, Box