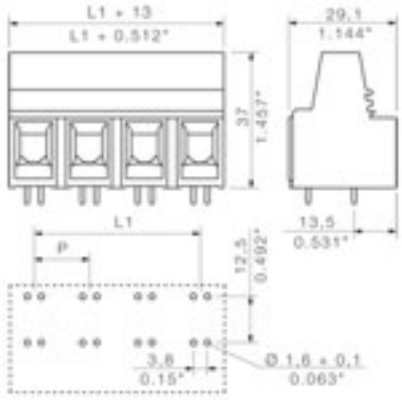




General ordering data	
Order No.	1783660000
Part designation	LX 15.00/1/90 GR
Version	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 25 mm², Pitch: 15.00 mm, No. of poles: 1, 90°, Box
EAN	4032248184910
Qty.	20 pc(s).

System parameters	
Product family	System LX
Conductor connection system	Clamping yoke connection
Fitted to PCB	Soldered connection
Outgoing direction of conductor	90°
Pitch	15 mm
Pitch in inch	0.591 inch
No. of poles	1
Fitted by customer	no
Max. adjacent poles per row	10
No. of rows	1
Solder pin length	4.5 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.	2 Nm
Tightening torque, max.	4 Nm
Clamping screw	M 5
Stripping length	16 mm
L1 in mm	0 mm
L1 in inch	0 inch
Electric shock protection to DIN VDE 0470	IP 10
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-1
CTI	>= 601
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.	1.31 mm²
Clamping range, max.	25 mm²
AWG, min.	16
AWG, max.	4
Solid, min. H05(07) V-U	1.5 mm²
Solid, max. H05(07) V-U	16 mm²
Stranded, min. H07V-R	6 mm²
Stranded, max. H07V-R	25 mm²
Flexible, min. H05(07) V-K	1.5 mm²
Flexible, max. H05(07) V-K	25 mm²
With wire end ferrule, acc. to DIN 46 228/1, min.	1.5 mm²
With wire end ferrule, acc. to DIN 46 228/1, max.	16 mm²
w. plastic collar ferrule, DIN 46228 pt 4, min.	1.5 mm²
w. plastic collar ferrule, DIN 46228 pt 4, max.	16 mm²
Gauge to EN 60999 a x b; ø	6.9 mm x 6.9 mm

DIN IEC rating data	
Rated current, min. No. pins (Tu=20°C)	101 A
Rated current, max. No. pins (Tu=20°C)	101 A
Rated current, min. No. pins(Tu=40°C)	101 A
Rated current, max. No. pins (Tu=40°C)	101 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	3 x 1s mit 1000 A

CSA rating data	
Rated current (Use group C)	85 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.	16
AWG conductor (field wiring), max.	4

UL 1059 rating data	
Rated voltage (Use group C)	600 V
Rated current (Use group C)	85 A
Rated voltage (Use group D)	600 V
Rated current (Use group D)	5 A
AWG conductor, min.	16
AWG conductor, max.	4

Approvals	
Approvals institutes	

Downloads	
CAD Library (P-CAD Format - Standard)	LX.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
1783670000	LX 15.00/2/90 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 25 mm², Pitch: 15.00 mm, No. of poles: 2, 90°, Box
1783680000	LX 15.00/3/90 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 25 mm², Pitch: 15.00 mm, No. of poles: 3, 90°, Box
1783760000	LX 15.00/3/90 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 25 mm², Pitch: 15.00 mm, No. of poles: 3, 90°, Box
1783690000	LX 15.00/4/90 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 25 mm², Pitch: 15.00 mm, No. of poles: 4, 90°, Box
1806460000	LX 15.00/5/90 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 25 mm², Pitch: 15.00 mm, No. of poles: 5, 90°, Box
1809870000	LX 15.00/6/90 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 25 mm², Pitch: 15.00 mm, No. of poles: 6, 90°, Box
1809880000	LX 15.00/8/90 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 25 mm², Pitch: 15.00 mm, No. of poles: 8, 90°, Box

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