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#### Weidmüller Interface GmbH & Co. KG

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The high-current PCB connection for more power on board: 150 A /1000 V with wires up to 50 mm², transmitted right to the PCB!

The LXXX 15.0 – with its proven steel clamping-yoke technology in a compact standard housing – integrates the latest market requirements for security, power density and miniaturization in power electronics. It connects these requirements into an efficient solution for the entire value-creation chain – including development, production, installation and maintenance.

The function and form of the application's connection method plays a key role. It influences the application's design, reliability, usability and costs. With the Substitution of For example, with the replacement of complex constructions involving bolts or bus bars, the PCB can be transformed into a system platform that is both consistent and sustainable into the future – even for high-current applications.

The LXXX 15.0 reduces size and complexity while at the same time improving application integration. In so doing, it fulfils the requirements of power electronics better than the established mechanisms and connection elements.

## General ordering data

Material number	<u>1047150000</u>
Short text for material	LXXX 15.00/04/90 4.5SN BK BX
Article - short description	PCB terminal, Clamping yoke connection, Solder connection, Clamping range, rated connection, max.: 50 mm², Pitch in mm: 15.00 mm, No. of poles: 4, 90°, Box
EAN	4032248784004
Qty.	10 pc(s).
Packaging	Box



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# **Technical data**

System parameters  Product family System LXXX Conductor connection system Clamping yoke connerted to PCB Solder connection Uniform 15 mm Pitch in inch 0.591 inch No. of poles 4 Filted by customer No. Discovery 1 Solder pin length 4.5 mm Diameter of solder pins per pole 4 Screwdriver blade standard DIN 5264 Tightening torque, max. 4 Nm Clamping screw M6 Stripping length 18 mm L1 in inch 1.772 inch  Material data  Material data  Memid (PA) Colour Black Planmakilly Contact surface to make a surface of the clamping screw M6 Contact base material Copper alloy Contact surface to max. 4 Nm Clamping screw M6 Contact base material Copper alloy Contact base material Copper alloy Contact base material Copper alloy Contact surface to max. 4 Nm Conductor connection cross-section AWG, max. 4 NWG 20 Standard, max. H07V-R 6 mm² Standard, min. H05(07) V-J 0.5 m	Approvals	CSA; UR			
Filled to PCB   Solder connection   Outgoing direction of conductor   90°   Pitch in mm   15 mm   Pitch in mch   0.591 inch   No. of poles   4   Filted by customer   No   No. of rows   1   Solder pin length   4.5 mm   No. of rows   1   Solder pin length   4.5 mm   No. of rows   1   Solder pin length   4.5 mm   No. of poles   4   Screwdriver blade   1.2 x 6.5   Screwdriver blade standard   DIN \$284   Tightening torque, max.   4 Nm   Clamping screw   M.6   Strephing length   1.72 inch   Material data   No. of poles   No. of po	System parameters				
Filted to PCB   Solder connection   Pitch in mm   15 mm   Pitch in mm   15 mm   Pitch in mm   15 mm   Pitch in inch   0.591 inch   No. of poles   4   Filted by customer   No   No. of rows   1   Solder pin length   4.5 mm   No. of rows   1   Solder pin length   4.5 mm   No. of rows   1   Solder pin length   4.5 mm   No. of rows   1   Solder pin length   4.5 mm   No. of rows   1   Solder pin length   4.5 mm   No. of rows   1   Solder pin length   4.5 mm   No. of poles pin per pole   4   Screwdriver blade standard   DIN \$284   Tightening torque, max.   4 Nm   Clamping screw   M.6   Stripping length   18 mm   L1 in inch   1.772 inch   Solder pin length   45 mm   L1 in inch   1.772 inch   Solder pin length   45 mm   L1 in inch   1.772 inch   Solder pin length   45 mm   L1 in inch   1.772 inch   Solder pin length   45 mm   L1 in inch   1.772 inch   Solder pin length   45 mm   L1 in inch   1.772 inch   Solder pin length   45 mm   L1 in inch   1.772 inch   Solder pin length   45 mm   L1 in inch   1.772 inch   Solder pin length   45 mm   L1 in inch   1.772 inch   Solder pin length   45 mm   L1 in inch   1.772 inch   Solder pin length   45 mm   L1 in inch   1.772 inch   Solder pin length   1.772 inch   1.772 inch		2 / 1200/			
Pitch in mm	•	•			
Fitted by customer					
Solder pin length   4.5 mm   Diameter of solder eyelet   1.6 mm   eyelet   4.5 mm   Diameter of solder eyelet   4.5 mm   Diameter of solder eyelet   4.0,1 mm   Eyel					
Tolerance of the diameter of the solder eyelet   1.6 mm   2.6 mm   2.7 mm   2.5 mm					
1.6 mm		1	· · ·	4.5 mm	
Screwdriver blade   1.2 x 6.5	Diameter of solder eyelet	1.6 mm		+ 0.1 mm	
Screwdriver blade standard DIN 5264 Tightening torque, max. 4 Nm Clamping screw M 6 Stripping length 18 mm L1 in inch 1.772 inch  Material data  Memid (PA) L1 in mm 45 mm L1 in inch 1.772 inch  Material data  Memid (PA) L2 in mm Black L3 in mm L5 in inch L5 in mm L5 in inch L7 in inch L5 in mm  Material data  Memid (PA) L6 in mm L7 in inch L7 in	dumber of colder nine per note				
Clamping screw   M 6		· ·	-		
Stripping length					
### Action of the province of					
Colour black Flammability class UL 94 V-0 CTI ≥ 600 Contact material Copper alloy Contact base material Copper alloy Contact surface tinned Contact base material Copper alloy Contact surface tinned Contact base material Copper alloy Contact surface tinned Contact surface connection cross-section AWG, max. Do max. AWG 1 Conductor connection cross-section aloue and connection cross-section AWG, max. AWG 1 Signal surface defined connection. Conductor connection cross-section are surface and connection. Conductor connection cross-section AWG, max. AWG 1 Conductor connection cross-section AWG, max. AWG 1 Signal surface defined connection. AWG 20 max. Solid, max. H05(07) V-L Signal surface defined connection cross-section AWG, max. AWG 1 Signal surface defined connection	• • • • •			45 111111	
Flammability class UL 94 V-0 CTI ≥ 600 Contact material Copper alloy Contact base material Copper alloy Connectable conductors  Clamping range, rated connection, min. 0.5 mm² Conductor connection cross-section AWG, max. Conductor connection cross-section AWG, min. AWG 20 max. AWG 1 Solid, min. H05(07) V-U 0.5 mm² Solid, max. H07V-R 50 mm² Flexible, min. H05(07) V-K 0.5 mm² Flexible, min. H05(07) V-K 0.5 mm² Flexible, min. H05(07) V-K 35 mm² Flexible, min. H05(07) V-K 35 mm² Wire end ferrule, DIN 46228 pt 1, min 0.5 mm² Wire lastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² DIN IEC rating data  Rated current, min. No. of poles (Tu=20°C) 150 A Rated current, min. No. of poles (Tu=40°C), min. 150 A Rated voltage for overvoltage class/pollution severity III/2 1,000 V Rated impulse withstand voltage for overvoltage class/pollution severity III/2 8 kV  CSA rating data  Rated voltage (Use group B) 600 V Rated voltage (Use group C) 600 V Rated current (use group C) 127 A  Rated current (use group C) 127 A  Rated current (use group C) 127 A	Material data				
Flammability class UL 94 V-0 CTI ≥ 600  Contact material Copper alloy  Connectable conductors  Clamping range, rated connection, min. 0.5 mm²  Conductor connection cross-section AWG, max. AWG 20 max. AWG 1  Solid, min. H05(07) V-U 0.5 mm²  Stranded, max. H07V-R 50 mm²  Flexible, min. H05(07) V-K 0.5 mm²  Flexible, min. H05(07) V-K 0.5 mm²  With wire end ferrule, DIN 46228 pt 1, min 0.5 mm²  With plastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm²  DIN IEC rating data  Rated current, min. No. of poles (Tu=20°C) 150 A Rated current, min. No. of poles (Tu=20°C), min. 150 A Rated woltage for overvoltage class/pollution severity III/2 8 kV  CSA rating data  Rated voltage class/pollution severity III/2 8 kV  Rated voltage class/pollution severity III/2 8 kV  Rated voltage (Use group B) 600 V  Rated voltage (Use group C) 127 A  Rated current (use group C) 127 A					
Contact material Copper alloy Contact base material Copper alloy Connectable conductors  Clamping range, rated connection, min. 0.5 mm² Conductor connection cross-section AWG, max. AWG 20 max. AWG 1 Solid, min. H05(07) V-U 0.5 mm² Stranded, max. H07V-R 50 mm² Stranded, max. H07V-R 6 mm² Flexible, min. H05(07) V-K 0.5 mm² Wire end ferrule, DIN 46228 pt 1, min 0.5 mm² Wire end ferrule, DIN 46228 pt 1, min 0.5 mm² Wire lastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² Conductor connection cross-section AWG, max. AWG 1 Solid, max. H05(07) V-U 16 mm² Stranded, min. H07V-R 6 mm² Flexible, min. H05(07) V-K 35 mm² Wire end ferrule, DIN 46228 pt 1, min 0.5 mm² Wire end ferrule, DIN 46228 pt 1, min 0.5 mm² With wire end ferrule, DIN 46228 pt 1, max. 35 mm² With wire end ferrule, DIN 46228 pt 4, min. 0.5 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 1, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228	nsulating material	Wemid (PA)	Colour	black	
Connectable conductors  Clamping range, rated connection, min.  0.5 mm²	Flammability class UL 94	V-0	<u>CTI</u>	≥ 600	
Clamping range, rated connection, min. 0.5 mm² Clamping range, rated connection, max. 50 mm² Conductor connection cross-section AWG, nin. AWG 20 max. AWG 1 Solid, min. H05(07) V-U 0.5 mm² Solid, max. H05(07) V-U 16 mm² Stranded, min. H07V-R 50 mm² Stranded, min. H07V-R 6 mm² Flexible, min. H05(07) V-K 0.5 mm² Flexible, min. H05(07) V-K 35 mm² with wire end ferrule, DIN 46228 pt 1, min. 0.5 mm² with plastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² with plastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² No. of poles (Tu=20°C) 150 A Rated voltage for overvoltage class/pollution severity III/2 1,000 V Rated impulse withstand voltage for overvoltage category/ solution degree III/3 1,000 V Rated impulse withstand voltage for overvoltage class/pollution severity III/2 8 kV Rated impulse withstand voltage for overvoltage class/pollution severity III/2 8 kV Rated current (use group B) 600 V Rated current (use group C) 127 A Rated current (use group C) 127 A Rated current (use group C) 127 A	Contact material	Copper alloy	Contact surface	tinned	
Clamping range, rated connection, min. 0.5 mm² Conductor connection cross-section AWG, min. AWG 20 Solid, min. H05(07) V-U Stranded, max. H07V-R Solid, min. H05(07) V-K Stranded, max. H07V-R Solid, min. H05(07) V-K Stranded, min. H07V-R Solid, min. H05(07) V-K Stranded, min. H07V-R Solid, max. H05(07) V-K Solid, max. H05(07) V-W Solid, max. H05(07) V-K Solid, max. H05(07) V-K Solid, max. H05(07) V-W Solid, max. H05(0	Contact base material	Copper alloy			
Conductor connection cross-section AWG, min. AWG 20 max. AWG 1 Solid, min. H05(07) V-U 0.5 mm² Solid, max. H05(07) V-U 16 mm² Stranded, min. H05(07) V-W 16 mm² Stranded, min. H05(07) V-W 16 mm² Stranded, min. H05(07) V-K 0.5 mm² Stranded, min. H05(07) V-K 35 mm² With wire end ferrule, DIN 46228 pt 1, min 0.5 mm² With wire end ferrule, DIN 46228 pt 1, min 0.5 mm² With wire end ferrule, DIN 46228 pt 1, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 45 max. 45 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 45 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 45 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 45 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 45 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 45 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 45 mm² With plastic collar ferru	Connectable conductors				
Conductor connection cross-section AWG, min. AWG 20 max. AWG 1 Solid, min. H05(07) V-U 0.5 mm² Solid, max. H05(07) V-U 16 mm² Stranded, min. H05(07) V-K 50 mm² Stranded, min. H05(07) V-K 50 mm² Stranded, min. H05(07) V-K 35 mm² With wire end ferrule, DIN 46228 pt 1, min 0.5 mm² With wire end ferrule, DIN 46228 pt 1, min 0.5 mm² With wire end ferrule, DIN 46228 pt 1, min 0.5 mm² With plastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² With plastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 45 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 45 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 45 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 45 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 45 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 45 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 45 mm² With plast					
min. AWG 20 Solid, min. H05(07) V-U 0.5 mm² Stranded, max. H07V-R 50 mm² Flexible, min. H05(07) V-K 35 mm² Wire end ferrule, DIN 46228 pt 1, min 0.5 mm² With vire end ferrule, DIN 46228 pt 1, min 0.5 mm² With plastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² With plastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² With plastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² With plastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² With plastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² With plastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² With plastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² With plastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² With plastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 35 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 45 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 45 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 45 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 45 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 45 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 45 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 45 mm² With plastic collar ferrule, DIN 46228 pt 4, max. 45 mm² With plas	• • •	0.5 mm <sup>2</sup>		50 mm²	
Solid, min. H05(07) V-U 0.5 mm² Solid, max. H05(07) V-U 16 mm² Stranded, max. H05(07) V-K 50 mm² Stranded, min. H05(07) V-K 50 mm² Flexible, min. H05(07) V-K 35 mm² with wire end ferrule, DIN 46228 pt 1, min 0.5 mm² with wire end ferrule, DIN 46228 pt 1, min 0.5 mm² with plastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² with plastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² max. 35 mm² with plastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² max. 35 mm² with plastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² max. 35 mm² with plastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² max. 35 mm² with plastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² max. 35 mm² with plastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² max. 35 mm² with plastic collar ferrule, DIN 46228 pt 4, min. 0.5 mm² with plastic collar ferru	· · · · · · · · · · · · · · · · · · ·	AVA/C 20	•	AVA/C 1	
Stranded, max. H07V-R  50 mm²  Stranded, min. H07V-R  6 mm²  Flexible, min. H05(07) V-K  0.5 mm²  with wire end ferrule, DIN 46228 pt 1, min  0.5 mm²  with plastic collar ferrule, DIN 46228 pt 4, min.  0.5 mm²  with plastic collar ferrule, DIN 46228 pt 4, min.  0.5 mm²  With plastic collar ferrule, DIN 46228 pt 4, min.  0.5 mm²  With plastic collar ferrule, DIN 46228 pt 4, max.  DIN IEC rating data  Rated current, min. No. of poles (Tu=20°C)  Rated voltage for overvoltage class/pollution severity II/2  Rated voltage at overvoltage category/  pollution degree III/3  Rated impulse withstand voltage for overvoltage class/pollution severity III/2  Rated impulse withstand voltage for overvoltage class/pollution severity III/2  Rated impulse withstand voltage for overvoltage class/pollution severity III/3  Rated impulse withstand voltage for overvoltage class/pollution severity III/3  Rated impulse withstand voltage for overvoltage class/pollution severity III/3  Rated impulse withstand voltage for overvoltage class/pollution severity III/3  Rated impulse withstand voltage for overvoltage class/pollution severity III/3  Rated impulse withstand voltage for overvoltage class/pollution severity III/3  Rated impulse withstand voltage for overvoltage class/pollution severity III/3  Rated impulse withstand voltage for overvoltage class/pollution severity III/3  Rated current (use group B)  Rated current (use group B)  Rated current (use group C)					
Flexible, min. H05(07) V-K  v. wire end ferrule, DIN 46228 pt 1, min  v. plastic collar ferrule, DIN 46228 pt 4, min.  v. plastic collar ferrule, DIN 46228 pt 4, min.  v. plastic collar ferrule, DIN 46228 pt 4, min.  v. plastic collar ferrule, DIN 46228 pt 4, min.  v. plastic collar ferrule, DIN 46228 pt 4, min.  vith plastic collar ferrule, DIN 46228 pt 4, max.  35 mm²  with plastic collar ferrule, DIN 46228 pt 4, max.  150 A					
with wire end ferrule, DIN 46228 pt 1, min					
with plastic collar ferrule, DIN 46228 pt 4, min.  0.5 mm²  With plastic collar ferrule, DIN 46228 pt 4, max.  With plastic collar ferrule, DIN 4628 pt 4, max.  With plastic collar ferrule, DIN 4628 pt 4, max.  With plastic collar ferrule, DIN 4628 pt 4, max.  With plastic collar ferrule, DIN 4628 pt 4, max.  With plastic collar ferrule, DIN 4628 pt 4, max.  With plastic collar ferrule, DIN 4628 pt 4, max.  With plastic collar fervel plastic plants pt 4 and pl					
DIN IEC rating data  Rated current, min. No. of poles (Tu=20°C) 150 A Rated voltage for overvoltage class/pollution severity II/2 1,000 V Rated voltage at overvoltage category/ pollution degree III/3 1,000 V Rated impulse withstand voltage for overvoltage class/pollution severity III/2 8 kV  Rated impulse withstand voltage for overvoltage class/pollution severity III/2 8 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  CSA rating data  Rated voltage (Use group B) 600 V  Rated current (use group B) 127 A  Rated voltage (Use group C) 600 V  Rated current (use group C) 127 A				35 111111	
Rated current, min. No. of poles (Tu=20°C) 150 A Rated voltage for overvoltage class/pollution severity II/2 1,000 V Rated voltage at overvoltage category/ sollution degree III/3 1,000 V Rated impulse withstand voltage for overvoltage class/pollution severity III/2 8 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  CSA rating data  Rated voltage (Use group B) 600 V Rated current (use group B) 127 A Rated voltage (Use group C) 600 V Rated current (use group C) 127 A	v. plastic collar lerrule, DIN 40220 pt 4, Illin		·	35 mm²	
Rated voltage for overvoltage class/pollution severity III/2 1,000 V  Rated voltage at overvoltage category/ sollution degree III/3 1,000 V  Rated impulse withstand voltage for overvoltage class/pollution severity III/2 8 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  CSA rating data  Rated voltage (Use group B) 600 V  Rated current (use group B) 127 A  Rated voltage (Use group C) 600 V  Rated current (use group C) 127 A	OIN IEC rating data				
Rated voltage for overvoltage class/pollution severity III/2 1,000 V  Rated voltage at overvoltage category/ sollution degree III/3 1,000 V  Rated impulse withstand voltage for overvoltage class/pollution severity III/2 8 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  CSA rating data  Rated voltage (Use group B) 600 V  Rated current (use group B) 127 A  Rated voltage (Use group C) 600 V  Rated current (use group C) 127 A					
severity III/2 1,000 V  Rated voltage at overvoltage category/ pollution degree III/3 1,000 V  Rated impulse withstand voltage for overvoltage class/pollution severity III/2 8 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  CSA rating data  Rated voltage (Use group B) 600 V  Rated current (use group B) 127 A  Rated voltage (Use group C) 600 V  Rated current (use group C) 127 A					
overvoltage class/pollution severity III/2 8 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  CSA rating data  Rated voltage (Use group B) 600 V Rated current (use group B) 127 A Rated voltage (Use group C) 600 V Rated current (use group C) 127 A	severity II/2		severity III/2		
Overvoltage class/pollution severity III/2 8 kV overvoltage class/pollution severity III/3 8 kV  CSA rating data  Rated voltage (Use group B) 600 V  Rated voltage (Use group C) 600 V  Rated current (use group B) 127 A  Rated current (use group C) 127 A		1,000 V		8 kV	
Rated voltage (Use group B) 600 V Rated current (use group B) 127 A Rated voltage (Use group C) 600 V Rated current (use group C) 127 A		8 kV		8 kV	
Rated voltage (Use group C) 600 V Rated current (use group C) 127 A	CSA rating data				
Rated voltage (Use group C) 600 V Rated current (use group C) 127 A	Data dividita no (Ulas no D)	000 \	Detect surrent (vs. 2)	407.4	
	<u> </u>				
Rated voltage (use group D) 600 V Rated current (use group D) 5 A					
Wire cross-section, AWG, min.  AWG 20  Wire cross-section, AWG, max.  AWG 1					



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## **Technical data**

### UL 1059 rating data

Rated voltage (use group B)	600 V	Rated current (use group B)	127 A
Rated voltage (use group C)	600 V	Rated current (use group C)	127 A
Rated voltage (use group D)	600 V	Rated current (use group D)	5 A
Wire cross-section, AWG, min.	AWG 20	Wire cross-section, AWG, max.	AWG 1
Classifications			
ETIM 3.0	EC001284	ETIM 4.0	EC002643

#### **Notes**

eClass 6.0

Notes

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- P on drg. = pitch

27-26-11-01

- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- IP 20 from 16 mm² to 50 mm²



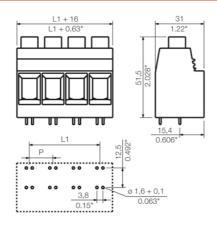
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16 D-32758 Detmold

Germany

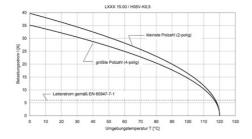
Fon: +49 5231 14-0 Fax: +49 5231 14-2083 www.weidmueller.com

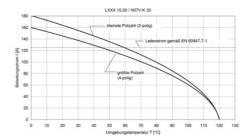
# **Drawings**



### **Derating curve**

## Derating curve





#### **Derating curve**

