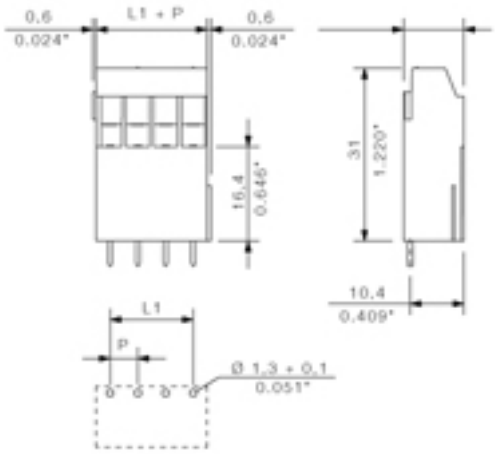




General ordering data	
Order No.	1977540000
Part designation	LL2N 5.08/20/90 3.2 OR
Version	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 20, 90°, Box
EAN	4032248673155
Qty.	20 pc(s).

System parameters	
Product family	System LL
Conductor connection system	Clamping yoke connection
Fitted to PCB	Soldered connection
Outgoing direction of conductor	90°
Pitch	5.08 mm
Pitch in inch	0.2 inch
No. of poles	20
Fitted by customer	yes
Max. adjacent poles per row	24
No. of rows	2
Solder pin length	3.2 mm
Dia. of fitting hole	1.3 mm
Fitting hole tolerance	+ 0.1 mm
No. of solder pins per pole	1
Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264
Tightening torque, min.	0.5 Nm
Tightening torque, max.	0.6 Nm
Clamping screw	M 3
Stripping length	6 mm
L1 in mm	45.72 mm
L1 in inch	1.8 inch
Electric shock protection to DIN VDE 0470	IP 20
Electric shock protection to DIN VDE 0470	Safe from finger touch

Material data	
Insulating material	Wemid (PA)
Colour	orange
colour chart	Similar to RAL 2000
Insulating material group	I
Flammability class UL 94	V-0
CTI	>= 600
Contact base material	Copper alloy
Contact surface	tinned
Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C

Connectable conductors	
Clamping range, min.	0.08 mm²
Clamping range, max.	6 mm²
AWG, min.	26
AWG, max.	12
Solid, min. H05(07) V-U	0.5 mm²
Solid, max. H05(07) V-U	6 mm²
Flexible, min. H05(07) V-K	0.5 mm²
Flexible, max. H05(07) V-K	4 mm²
With wire end ferrule, acc. to DIN 46 228/1, min.	0.5 mm²
With wire end ferrule, acc. to DIN 46 228/1, max.	2.5 mm²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.5 mm²
w. plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm²
Gauge to EN 60999 a x b; ø	2.8 mm x 2.4 mm; 3.0 mm

DIN IEC rating data	
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	4 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	4 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	4 kV
Short-time withstand current resistance	3 x 1s with 120 A

Approvals

Approvals institutes

Classifications

eClass 5.1	27-26-11-01

Similar products

Order No.	Part designation	Version
1977480000	LL2N 5.08/08/90 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 8, 90°, Box
1977500000	LL2N 5.08/12/90 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 12, 90°, Box
1977520000	LL2N 5.08/16/90 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 16, 90°, Box
1977560000	LL2N 5.08/24/90 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 24, 90°, Box
1977580000	LL2N 5.08/28/90 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 28, 90°, Box
1977600000	LL2N 5.08/32/90 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 32, 90°, Box
1977620000	LL2N 5.08/36/90 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 36, 90°, Box
1977640000	LL2N 5.08/40/90 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 40, 90°, Box
1977660000	LL2N 5.08/44/90 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 44, 90°, Box
1977680000	LL2N 5.08/48/90 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 48, 90°, Box