







General ordering data	
Order No.	1768930000
Part designation	LM2N5.08/20 3.5 OR
Version	PCB terminal, Clamping yoke connection,
	Soldered connection, Clamping range, max.: 2.5
	mm ² , Pitch: 5.08 mm, No. of poles: 20, 90°, Box
EAN	4032248115662
Qty.	20 pc(s).

Product family	System LM
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	48
No. of rows	2
Solder pin length	3.5 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 Nm Tightening torque, min.	System parameters	
Tightening torque, min. Tightening torque, max. O.5 Nm Clamping screw M.2.5 Stripping length 6 mm L1 in inch 1.8 inch Electric shock protection to DIN VDE 0470 Electric shock protection to 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. 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. v. plastic collar ferrule, DIN 46228 pt 4, min. v. plastic collar ferrule, DIN 46228 pt 4, min. v. plastic collar ferrule, DIN 4628 pt 4, min. v. plastic collar ferrule, DIN 4628 pt 4, min. v. plastic collar ferrule, DIN 4628 pt 4, min. v. plastic collar ferrule, DIN 4628 pt 4, min. v. plastic collar ferrule, DIN 4628 pt 4, min. v. plastic collar ferrule, DIN 4628 pt 4, min. v. plastic collar ferrule, DIN 4628 pt 4, min. v. plastic c		
Tightening torque, max. Clamping screw M 2.5 Stripping length H 1 in inch H 2 in inch Electric shock protection to DIN VDE 0470 Electric shock protection to DIN VDE 0470 Electric shock protection to DIN VDE 0470 Natorial data Insulating material Colour		
Clamping screw M 2.5 Stripping length 6 mm L1 in rmm 45.72 mm L1 in rich 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 Temperature of glow-wire test 750 °C Duration of glow-wire test 30 °S Contact base material Copper alloy Contact surface tinned Storage temperature, min. -25 °C Storage temperature, min. -25 °C Calamping range, min. -22 °C Clamping range, min.		
Stripping length		
L1 in mm		M 2.5
L1 in inch 1.8 inch		
Electric shock protection to DIN VDE 0470 P20		45.72 mm
Electric shock protection to DIN VDE 0470 Safe from finger touch	L1 in inch	1.8 inch
Material data Insulating material Colour corange colour chart Similar to RAL 2000 I I I I I I I I I	Electric shock protection to DIN VDE 0470	IP 20
Insulating material	Electric shock protection to DIN VDE 0470	Safe from finger touch
Insulating material		
Colour colour chart orange colour chart Insulating material group I Flammability class UL 94 V-0 CTI >= 600 Temperature of glow-wire test 750 °C Duration of glow-wire test 30 S Contact base material Copper alloy Contact surface tinned Storage temperature, min. -25 °C Storage temperature, max. 55 °C Connectable conductors Clamping range, min. Clamping range, min. 0.2 mm² Clamping range, max. 2.5 mm² AWG, min. 24 AWG, max. 14 O.D. of conductor insulation, max. 2.9 mm Solid, min. H05(07) V-U 0.2 mm² Solid, max. H05(07) V-U 2.5 mm² Flexible, min. H05(07) V-K 0.2 mm² With wire end ferrule, acc. to DIN 46 228/1, min. 0.25 mm² Wy plastic collar ferrule, DIN 46228 pt 4, min. 0.25 mm² Wy plastic collar ferrule, DIN 46228 pt 4, min. 0.25 mm² Wy plastic collar ferrule, power to be a constructed by a constructed b	Material data	
Colour chart Similar to RAL 2000 Insulating material group I I I I I I I I I	Insulating material	Wemid (PA)
Insulating material group	Colour	orange
Flammability class UL 94 CTI >= 600 Temperature of glow-wire test 750 °C Duration of glow-wire test 30 S Contact base material Copper alloy Contact surface tinned Storage temperature, min25 °C Storage temperature, max. 55 °C Connectable conductors Clamping range, min. 0.2 mm² Clamping range, min. 2.5 mm² AWG, min. 24 AWG, max. 14 O.D. of conductor insulation, max. 2.9 mm Solid, min. H05(07) V-U 2.5 mm² Solid, min. H05(07) V-U 2.5 mm² Flexible, mix. H05(07) V-K 0.2 mm² With wire end ferrule, acc. to DIN 46 228/1, min. With wire end ferrule, acc. to DIN 46 228/1, min. Use and ferrule, DIN 46228 pt 4, min. Use and solid ferrul	colour chart	Similar to RAL 2000
Flammability class UL 94 CTI >= 600 Temperature of glow-wire test 750 °C Duration of glow-wire test 30 S Contact base material Copper alloy Contact surface tinned Storage temperature, min25 °C Storage temperature, max. 55 °C Connectable conductors Clamping range, min. 0.2 mm² Clamping range, min. 2.5 mm² AWG, min. 24 AWG, max. 14 O.D. of conductor insulation, max. 2.9 mm Solid, min. H05(07) V-U 2.5 mm² Solid, min. H05(07) V-U 2.5 mm² Flexible, mix. H05(07) V-K 0.2 mm² With wire end ferrule, acc. to DIN 46 228/1, min. With wire end ferrule, acc. to DIN 46 228/1, min. Use and ferrule, DIN 46228 pt 4, min. Use and solid ferrul	Insulating material group	
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Clamping range, min.	• .	
Clamping range, min.	· · · · · · · · · · · · · · · · · · ·	
Clamping range, max. AWG, min. AWG, max. O.D. of conductor insulation, max. Solid, min. H05(07) V-U Solid, max. H05(07) V-U Plexible, min. H05(07) V-K Flexible, max. H05(07) V-K Plexible, max. H05(07) V-K With wire end ferrule, acc. to DIN 46 228/1, min. With wire end ferrule, acc. to DIN 46 228/1, max. With wire end ferrule, acc. to DIN 46 228/1, max. With wire end ferrule, acc. to DIN 46228 pt 4, min. Wipastic collar ferrule, DIN 46228 pt 4, min. Wipastic collar ferrule, DIN 46228 pt 4, min. Wipastic collar ferrule, DIN 46228 pt 4, max. Gauge to EN 60999 a x b; Ø 2.4 mm x 1.5 mm² DIN IEC rating data Rated current, min. No. pins (Tu=20°C) Rated current, max. No. pins (Tu=20°C) Rated current, max. No. pins (Tu=40°C) Rated current, max. No. pins (Tu=40°C) Rated voltage for overvoltage class/pollution 320 V	Connectable conductors	
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AWG, max. O.D. of conductor insulation, max. Solid, min. H05(07) V-U Solid, max. H05(07) V-U 2.5 mm² Flexible, min. H05(07) V-K Riexible, max. H05(07) V-K With wire end ferrule, acc. to DIN 46 228/1, min. With wire end ferrule, acc. to DIN 46 228/1, max. W. plastic collar ferrule, DIN 46228 pt 4, min. W. plastic collar ferrule, DIN 46228 pt 4, min. W. plastic collar ferrule, DIN 46228 pt 4, max. Gauge to EN 60999 a x b; Ø 2.4 mm x 1.5 mm² 2.4 mm x 1.5 mm; 1.9mm DIN IEC rating data Rated current, min. No. pins (Tu=20°C) Rated current, min. No. pins (Tu=40°C) Rated current, max. No. pins (Tu=40°C) Rated voltage for overvoltage class/pollution severity II/2 Rated voltage for overvoltage class/pollution 320 V	Clamping range, max.	2.5 mm ²
O.D. of conductor insulation, max. Solid, min. H05(07) V-U Solid, max. H05(07) V-U Solid, max. H05(07) V-K Flexible, min. H05(07) V-K O.2 mm² Flexible, max. H05(07) V-K With wire end ferrule, acc. to DIN 46 228/1, min. With wire end ferrule, acc. to DIN 46 228/1, max. Vith wire end ferrule, DIN 46228 pt 4, min. Vith solid ferrule, DIN 46228 pt 4, min. V	AWG, min.	24
Solid, min. H05(07) V-U Solid, max. H05(07) V-U 2.5 mm² Flexible, min. H05(07) V-K Flexible, max. H05(07) V-K Plexible, max. H05(07) V-K Solid, max. H05(07) V-K Discreptible, max. H05(07) V-K Solid, max. H05(07) V-K Discreptible, max. H05(07) V-	AWG, max.	14
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Flexible, max. H05(07) V-K With wire end ferrule, acc. to DIN 46 228/1, min. With wire end ferrule, acc. to DIN 46 228/1, max. 1.5 mm² With wire end ferrule, acc. to DIN 46 228/1, max. 1.5 mm² W. plastic collar ferrule, DIN 46228 pt 4, min. W. plastic collar ferrule, DIN 46228 pt 4, max. Gauge to EN 60999 a x b; Ø 2.4 mm x 1.5 mm; 1.9mm DIN IEC rating data Rated current, min. No. pins (Tu=20°C) Rated current, max. No. pins (Tu=20°C) Rated current, min. No. pins (Tu=40°C) Rated current, max. No. pins (Tu=40°C) Rated voltage for overvoltage class/pollution severity II/2 Rated voltage for overvoltage class/pollution 320 V	Solid, max. H05(07) V-U	2.5 mm ²
Flexible, max. H05(07) V-K With wire end ferrule, acc. to DIN 46 228/1, min. With wire end ferrule, acc. to DIN 46 228/1, max. W. plastic collar ferrule, DIN 46228 pt 4, min. W. plastic collar ferrule, DIN 46228 pt 4, min. W. plastic collar ferrule, DIN 46228 pt 4, max. Use max 1.5 mm² W. plastic collar ferrule, DIN 46228 pt 4, max. 1.5 mm² Gauge to EN 60999 a x b; Ø 2.4 mm x 1.5 mm; 1.9mm DIN IEC rating data Rated current, min. No. pins (Tu=20°C) Rated current, max. No. pins (Tu=20°C) Rated current, min. No. pins (Tu=40°C) Rated current, max. No. pins (Tu=40°C) Rated voltage for overvoltage class/pollution severity II/2 Rated voltage for overvoltage class/pollution 320 V		0.2 mm ²
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With wire end ferrule, acc. to DIN 46 228/1, max. w. plastic collar ferrule, DIN 46228 pt 4, min. v. plastic collar ferrule, DIN 46228 pt 4, max. Gauge to EN 60999 a x b; Ø 2.4 mm x 1.5 mm; 1.9mm DIN IEC rating data Rated current, min. No. pins (Tu=20°C) Rated current, max. No. pins (Tu=20°C) Rated current, min. No. pins (Tu=40°C) Rated current, min. No. pins (Tu=40°C) Rated current, max. No. pins (Tu=40°C) Rated voltage for overvoltage class/pollution severity II/2 Rated voltage for overvoltage class/pollution 320 V		0.25 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min. w. plastic collar ferrule, DIN 46228 pt 4, max. Gauge to EN 60999 a x b; Ø 2.4 mm x 1.5 mm; 1.9mm DIN IEC rating data Rated current, min. No. pins (Tu=20°C) Rated current, max. No. pins (Tu=20°C) Rated current, min. No. pins (Tu=40°C) Rated current, max. No. pins (Tu=40°C) Rated current, max. No. pins (Tu=40°C) Rated voltage for overvoltage class/pollution 630 V Rated voltage for overvoltage class/pollution 320 V		
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severity II/2 Rated voltage for overvoltage class/pollution 320 V		
Rated voltage for overvoltage class/pollution 320 V		V V
		320 V
	severity III/2	OLO V



DIN IEC rating data	
Rated voltage for overvoltage class/pollution severity III/3	250 V
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
Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A
AWG conductor (field wiring), min.	24
AWG conductor (field wiring), max.	14
UL 1059 rating data	
Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A
AWG conductor, min.	24
AWG conductor, max.	14

Approvais

Approvals institutes



Downloads	
CAD Library (P-CAD Format - Standard)	LM2N.lib
ETIM 2.0	NK

ETIM 3.0	EC001284
eClass 4.1	NK
	AUZ
eClass 5.0	NK
eClass 5.1	NK
001000 0.1	

Similar products

Order No.		
1768850000	LM2N5.08/4 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection,
		Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 4, 90°, Box
1768860000	LM2N5.08/6 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 6, 90°, Box



1768870000	LM2N5.08/8 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection,
		Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 8, 90°, Box
1768880000	LM2N5.08/10 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 10, 90°, Box
1768890000	LM2N5.08/12 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 12, 90°, Box
1768900000	LM2N5.08/14 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 14, 90°, Box
1768910000	LM2N5.08/16 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 16, 90°, Box
1768920000	LM2N5.08/18 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 18, 90°, Box
1768940000	LM2N5.08/22 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 22, 90°, Box
1768950000	LM2N5.08/24 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 24, 90°, Box
1768960000	LM2N5.08/26 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 26, 90°, Box
1768970000	LM2N5.08/28 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 28, 90°, Box
1768980000	LM2N5.08/30 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 30, 90°, Box
1768990000	LM2N5.08/32 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 32, 90°, Box
1769000000	LM2N5.08/34 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 34, 90°, Box
1769010000	LM2N5.08/36 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 36, 90°, Box
1769020000	LM2N5.08/38 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 38, 90°, Box
1769030000	LM2N5.08/40 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 40, 90°, Box
1769040000	LM2N5.08/42 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 42, 90°, Box



1769050000	LM2N5.08/44 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 44, 90°, Box
1769060000	LM2N5.08/46 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 46, 90°, Box
1769070000	LM2N5.08/48 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 48, 90°. Box

