



## General ordering data

Order No. Part designation Version

## EAN Qty.

## System parameters

Product family Conductor connection system Fitted to PCB Outgoing direction of conductor Pitch Pitch in inch No. of poles Fitted by customer Max. adjacent poles per row No. of rows Solder pin length Dia. of fitting hole Fitting hole tolerance No. of solder pins per pole 9993300000 LM5.00/4/90 3.5 SW PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm<sup>2</sup>, Pitch: 5.00 mm, No. of poles: 4, 90°, Box 4032248375004 50 pc(s).

System LM
Clamping yoke connectior
Soldered connection
90°
5 mm
0.197 inch
4
yes
24
1
3.5 mm
1.3 mm
+ 0.1 mm
1



System parameters	
Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264
Tightening torque, min.	0.4 Nm
Tightening torque, max.	0.5 Nm
Clamping screw	M 2.5
Stripping length	6 mm
L1 in mm	15 mm
L1 in inch	0.591 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	black
colour chart	Similar to RAL 9011
Insulating material group	
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.	0.2 mm <sup>2</sup>
Clamping range, max.	2.5 mm <sup>2</sup>
AWG, min.	24
AWG, max.	14
O.D. of conductor insulation, max.	2.9 mm
Solid, min. H05(07) V-U	0.2 mm <sup>2</sup>
Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>
Flexible, max. H05(07) V-K	1.5 mm <sup>2</sup>
With wire end ferrule, acc. to DIN 46 228/1, min.	0.25 mm <sup>2</sup>
With wire end ferrule, acc. to DIN 46 228/1, max.	1.5 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm <sup>2</sup>
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)	17.5 A
Rated current, max. No. pins (Tu=20°C)	16 A
Rated current, min. No. pins(Tu=40°C)	17.5 A
Rated current, max. No. pins (Tu=40°C)	14.2 A
Rated voltage for overvoltage class/pollution	630 V
severity II/2	
	220 \/
Rated voltage for overvoltage class/pollution	320 V
severity III/2	320 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
CSA rating data	
Rated voltage, user group D	300 V
Rated current, user group D	10 A
AWG conductor (field wiring), min.	24
AWG conductor (field wiring), max.	14
UL 1059 rating data	
Rated voltage, user group D	300 V
Rated current, user group D	10 A
AWG conductor, min.	24
AWG conductor, max.	14

Approvals

Approvals institutes



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Downloads CAD Library (P-CAD Format - Standard)	LM.lib
Classifications	
ETIM 2.0	NK
ETIM 3.0	EC001284
eClass 4.1	NK
eClass 5.0	NK
eClass 5.1	NK

## Similar products

1715310000	LM5.00/2/90 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 90°, Box
1715250000	LM5.00/2/90 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 90°, Box
1913110000	LM 5.00/2/90 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 90°, Box
1715370000	LM5.00/2/90 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 90°, Box
1715320000	LM5.00/3/90 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 3, 90°, Box
1715260000	LM5.00/3/90 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 3, 90°, Box
1913120000	LM 5.00/3/90 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 3, 90°, Box
1715380000	LM5.00/3/90 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 3, 90°, Box
1821490000	LM5.00/4/90 3.5OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 4, 90°, Box
1913150000	LM 5.00/4/90 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 4, 90°, Box
1913000000	LM 5.00/4/90 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 4, 90°, Box
1845310000	LM5.00/5/90 3.5OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 5, 90°, Box
9993310000	LM5.00/5/90 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 5, 90°, Box
1913160000	LM 5.00/5/90 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 5, 90°, Box
1913010000	LM 5.00/5/90 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 5, 90°, Box
1845320000	LM5.00/6/90 3.5OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 6, 90°, Box
9993320000	LM5.00/6/90 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 6, 90°, Box



	1913170000	LM 5.00/6/90 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 6, 90°, Box
	1913020000	LM 5.00/6/90 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 6, 90°, Box
	1845330000	LM5.00/7/90 3.5OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 7, 90°, Box
	9993330000	LM5.00/7/90 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 7, 90°, Box
	1913180000	LM 5.00/7/90 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 7, 90°, Box
	1913030000	LM 5.00/7/90 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 7, 90°, Box
	1845340000	LM5.00/8/90 3.5OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 8, 90°, Box
	9993340000	LM5.00/8/90 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 8, 90°, Box
	1913190000	LM 5.00/8/90 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 8, 90°, Box
	1913050000	LM 5.00/8/90 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 8, 90°, Box
	1845350000	LM5.00/9/90 3.5OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 9, 90°, Box
	9993350000	LM5.00/9/90 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 9, 90°, Box
	1913200000	LM 5.00/9/90 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 9, 90°, Box
	1913060000	LM 5.00/9/90 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 9, 90°, Box
	1845360000	LM5.00/10/90 3.5OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 10, 90°, Box
	1845370000	LM5.00/11/90 3.5OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 11, 90°, Box
	9993360000	LM5.00/10/90 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 10, 90°, Box



1913210000	LM 5.00/10/90 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 10, 90°, Box
1913070000	LM 5.00/10/90 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 10, 90°, Box
9993370000	LM5.00/11/90 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 11, 90°, Box
1913220000	LM 5.00/11/90 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 11, 90°, Box
1913090000	LM 5.00/11/90 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 11, 90°, Box
1845380000	LM5.00/12/90 3.5OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 12, 90°, Box
9993380000	LM5.00/12/90 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 12, 90°, Box
1913230000	LM 5.00/12/90 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 12, 90°, Box
1913100000	LM 5.00/12/90 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 12, 90°, Box
9993390000	LM5.00/13/90 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 13, 90°, Box
9993400000	LM5.00/14/90 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 14, 90°, Box
9993410000	LM5.00/15/90 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 15, 90°, Box
9993420000	LM5.00/16/90 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 16, 90°, Box
9993430000	LM5.00/17/90 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 17, 90°, Box
9993440000	LM5.00/18/90 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 18, 90°, Box
9993450000	LM5.00/19/90 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 19, 90°, Box
9993460000	LM5.00/20/90 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 20, 90°, Box



9993470000	LM5.00/21/90 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 21, 90°, Box
9993480000	LM5.00/22/90 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 22, 90°, Box
9993490000	LM5.00/23/90 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 23, 90°, Box
9993500000	LM5.00/24/90 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 24, 90°, Box



