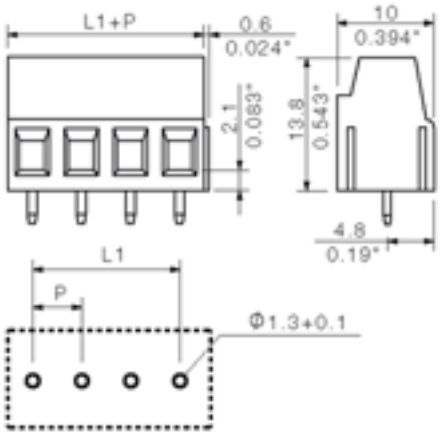




General ordering data	
Order No.	1845320000
Part designation	LM5.00/6/90 3.5OR
Version	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 6, 90°, Box
EAN	4032248359042
Qty.	50 pc(s).

System parameters	
Product family	System LM
Conductor connection system	Clamping yoke connection
Fitted to PCB	Soldered connection
Outgoing direction of conductor	90°
Pitch	5 mm
Pitch in inch	0.197 inch
No. of poles	6
Fitted by customer	yes
Max. adjacent poles per row	24
No. of rows	1
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

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	25 mm
L1 in inch	0.984 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, max.	55 °C

Connectable conductors	
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
Flexible, max. H05(07) V-K	1.5 mm²
With wire end ferrule, acc. to DIN 46 228/1, min.	0.25 mm²
With wire end ferrule, acc. to DIN 46 228/1, max.	1.5 mm²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 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)	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 severity II/2	630 V
Rated voltage for overvoltage class/pollution 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 (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

Approvals	
Approvals institutes	

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

Order No.	Part designation	Version
1715310000	LM5.00/2/90 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², Pitch: 5.00 mm, No. of poles: 4, 90°, Box
9993300000	LM5.00/4/90 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², Pitch: 5.00 mm, No. of poles: 5, 90°, Box
9993320000	LM5.00/6/90 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², Pitch: 5.00 mm, No. of poles: 24, 90°, Box