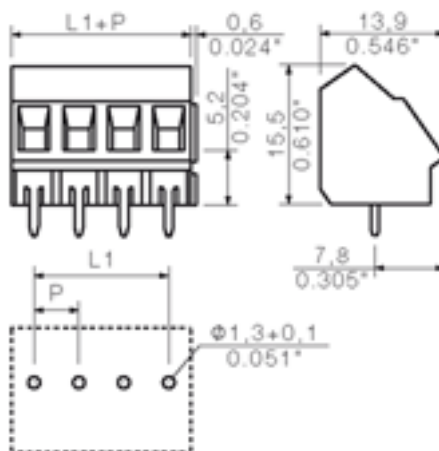




General ordering data

Order No.	9993590000
Part designation	LM5.00/12/135 3.5 SW
Version	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 12, 135°, Box
EAN	4032248375929
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	135°
Pitch	5 mm
Pitch in inch	0.197 inch
Number of poles	12
Fitted by customer	yes
Max. adjacent poles per row	24
No. of rows	1
Length of soldering post	3.5 mm
Dia. of fitting hole	1.3 mm
Fitting hole tolerance	+ 0.1 mm

System parameters

No. of solder pins per pole	1
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	55 mm
L1 in inch	2.165 inch
Electric shock protection to DIN VDE 0470	IP 20
Electric shock protection to DIN VDE 0470	Safe from finger touch

Material data

Insulation material	Wemid (PA)
Colour	black
colour chart	Similar to RAL 9011
Insulating material group	I
UL 94 combustibility class	V-0
CTI	>= 600
Temperature of glow-wire test	750 °C
Duration of glow-wire test	30 V DC (20.4...28.8 V)
Contact base material	Cu alloy
Contact surface	tinned
Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C

Connectable conductors

Clamping range, min.	0.2 mm ²
Clamping range, max.	2.5 mm ²
AWG, min.	24
AWG, max.	14
O.D. of conductor insulation, max.	2.9 mm
Solid, min. H05(07) V-U	0.2 mm ²
Solid, max. H05(07) V-U	2.5 mm ²
fine-stranded, min. H05(07) V-U	0.2 mm ²
fine-stranded, max. H05(07) V-U	1.5 mm ²
Wire end ferrule , DIN 46 228/1, min.	0.25 mm ²
Wire end ferrule , DIN 46 228/1, max.	1.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm ²
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, 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

Approval body	CSA; CURUS; GOST; ROHS
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Downloads

CAD Library (P-CAD Format - ASCII)	LM.LIA
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
9993650000	LM5.00/18/135 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 18, 135°, Box
1913440000	LM 5.00/2/135 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 2, 135°, Box
1913450000	LM 5.00/3/135 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 3, 135°, Box

1913510000	LM 5.00/9/135 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 9, 135°, Box
9993570000	LM5.00/10/135 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 10, 135°, Box
1913500000	LM 5.00/8/135 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 8, 135°, Box
1715350000	LM5.00/2/135 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 2, 135°, Box
1845400000	LM5.00/5/135 3.5OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 5, 135°, Box
1913490000	LM 5.00/7/135 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 7, 135°, Box
1715360000	LM5.00/3/135 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 3, 135°, Box
1845420000	LM5.00/7/135 3.5OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 7, 135°, Box
1913350000	LM 5.00/6/135 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 6, 135°, Box
1913400000	LM 5.00/9/135 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 9, 135°, Box
9993520000	LM5.00/5/135 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 5, 135°, Box
9993690000	LM5.00/22/135 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 22, 135°, Box
1845430000	LM5.00/8/135 3.5OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 8, 135°, Box
9993580000	LM5.00/11/135 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 11, 135°, Box
9993710000	LM5.00/24/135 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 24, 135°, Box
1913330000	LM 5.00/4/135 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 4, 135°, Box
1913530000	LM 5.00/11/135 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 11, 135°, Box

9993510000	LM5.00/4/135 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 4, 135°, Box
1913420000	LM 5.00/11/135 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 11, 135°, Box
1715300000	LM5.00/3/135 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 3, 135°, Box
1913410000	LM 5.00/10/135 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 10, 135°, Box
9993700000	LM5.00/23/135 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 23, 135°, Box
1845470000	LM5.00/12/135 3.5OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 12, 135°, Box
9993640000	LM5.00/17/135 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 17, 135°, Box
1845410000	LM5.00/6/135 3.5OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 6, 135°, Box
9993560000	LM5.00/9/135 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 9, 135°, Box
9993670000	LM5.00/20/135 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 20, 135°, Box
1845460000	LM5.00/11/135 3.5OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 11, 135°, Box
9993620000	LM5.00/15/135 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 15, 135°, Box
9993610000	LM5.00/14/135 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 14, 135°, Box
1913540000	LM 5.00/12/135 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 12, 135°, Box
9993600000	LM5.00/13/135 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 13, 135°, Box
9993590000	LM5.00/12/135 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 12, 135°, Box
1913370000	LM 5.00/8/135 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 8, 135°, Box

1715410000	LM5.00/2/135 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 2, 135°, Box
1913430000	LM 5.00/12/135 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 12, 135°, Box
9993540000	LM5.00/7/135 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 7, 135°, Box
1913480000	LM 5.00/6/135 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 6, 135°, Box
9993680000	LM5.00/21/135 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 21, 135°, Box
1913340000	LM 5.00/5/135 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 5, 135°, Box
1913460000	LM 5.00/4/135 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 4, 135°, Box
9993660000	LM5.00/19/135 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 19, 135°, Box
1845440000	LM5.00/9/135 3.5OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 9, 135°, Box
1913520000	LM 5.00/10/135 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 10, 135°, Box
1845390000	LM5.00/4/135 3.5OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 4, 135°, Box
1715290000	LM5.00/2/135 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 2, 135°, Box
1913360000	LM 5.00/7/135 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 7, 135°, Box
1715420000	LM5.00/3/135 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 3, 135°, Box
1913470000	LM 5.00/5/135 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 5, 135°, Box
9993530000	LM5.00/6/135 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 6, 135°, Box
1845450000	LM5.00/10/135 3.5OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, Number of poles: 10, 135°, Box

9993630000	LM5.00/16/135 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, Number of poles: 16, 135°, Box
9993550000	LM5.00/8/135 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, Number of poles: 8, 135°, Box