



General ordering data

Order No.	9994880000
Part designation	LM5.08/16/180 3.5 SW
Version	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 16, 180°, Box
EAN	4032248378050
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	180°
Pitch	5.08 mm
Pitch in inch	0.2 inch
Number of poles	16
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	76.2 mm
L1 in inch	3 inch
Electric shock protection to DIN VDE 0470	IP 10
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
---------------	------------------------

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
9995110000	LM5.08/18/180 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 18, 180°, Box
9994780000	LM5.08/6/180 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 6, 180°, Box
9994920000	LM5.08/20/180 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 20, 180°, Box

9995090000	LM5.08/16/180 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 16, 180°, Box
9994900000	LM5.08/18/180 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 18, 180°, Box
9995070000	LM5.08/14/180 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 14, 180°, Box
9995130000	LM5.08/20/180 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 20, 180°, Box
9994770000	LM5.08/5/180 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 5, 180°, Box
9994790000	LM5.08/7/180 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 7, 180°, Box
9994810000	LM5.08/9/180 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 9, 180°, Box
1915810000	LM 5.08/3/180 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 3, 180°, Box
9994860000	LM5.08/14/180 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 14, 180°, Box
9995000000	LM5.08/7/180 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 7, 180°, Box
9994760000	LM5.08/4/180 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 4, 180°, Box
9995080000	LM5.08/15/180 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 15, 180°, Box
9994940000	LM5.08/22/180 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 22, 180°, Box
9994970000	LM5.08/4/180 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 4, 180°, Box
1915800000	LM 5.08/2/180 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 2, 180°, Box
9995020000	LM5.08/9/180 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 9, 180°, Box
9994890000	LM5.08/17/180 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 17, 180°, Box

9994950000	LM5.08/23/180 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 23, 180°, Box
9995120000	LM5.08/19/180 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 19, 180°, Box
1716040000	LM5.08/2/180 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 2, 180°, Box
9994800000	LM5.08/8/180 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 8, 180°, Box
9995030000	LM5.08/10/180 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 10, 180°, Box
9994870000	LM5.08/15/180 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 15, 180°, Box
9995050000	LM5.08/12/180 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 12, 180°, Box
9994830000	LM5.08/11/180 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 11, 180°, Box
9995100000	LM5.08/17/180 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 17, 180°, Box
9994820000	LM5.08/10/180 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 10, 180°, Box
9995150000	LM5.08/22/180 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 22, 180°, Box
1716160000	LM5.08/2/180 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 2, 180°, Box
9994980000	LM5.08/5/180 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 5, 180°, Box
9994850000	LM5.08/13/180 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 13, 180°, Box
9995210000	LM5.08/23/180 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 23, 180°, Box
9994960000	LM5.08/24/180 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 24, 180°, Box
9994990000	LM5.08/6/180 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 6, 180°, Box

9995060000	LM5.08/13/180 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 13, 180°, Box
9994880000	LM5.08/16/180 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 16, 180°, Box
9994930000	LM5.08/21/180 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 21, 180°, Box
9995140000	LM5.08/21/180 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 21, 180°, Box
9995040000	LM5.08/11/180 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 11, 180°, Box
1716050000	LM5.08/3/180 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 3, 180°, Box
9994840000	LM5.08/12/180 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 12, 180°, Box
1716110000	LM5.08/3/180 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 3, 180°, Box
9995010000	LM5.08/8/180 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 8, 180°, Box
1716170000	LM5.08/3/180 GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 3, 180°, Box
9994910000	LM5.08/19/180 3.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 19, 180°, Box
1716100000	LM5.08/2/180 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 2, 180°, Box
9995220000	LM5.08/24/180 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, Number of poles: 24, 180°, Box