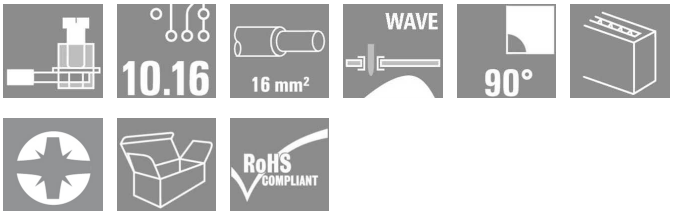
Weidmüller

OMNIMATE Power - series LUP
LUP 10.16/03/90 3.2SN BK BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
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This PCB terminal provides connections for 1000 V, test point, 76 A and 16 mm² conductor cross-section with proven clamping yoke connection at 10.16 mm pitch, conductor outlet direction in 90° design.

- 0.50 - 16.0 mm² (IEC) / 26 - 6 AWG (UL)
- 1000 V (IEC) / 300 V (UL)
- 76A (IEC) / 60 A (UL)

General ordering data

Type	LUP 10.16/03/90 3.2SN BK BX
Order No.	1226300000
Version	PCB terminal, 10.16 mm, No. of poles: 3, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Clamping yoke connection, Clamping range, rated connection, max.: 16 mm², Box
GTIN (EAN)	4050118010572
Qty.	20 pc(s).
Product data	IEC: 1000 V / 76 A / 0.5 - 16 mm² UL: 300 V / 58 A / AWG 26 - AWG 6
Packaging	Box

Erstellungs-Datum December 17, 2013 1:21:23 PM CET

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Technische Daten

Dimensions and weights

Net weight	28.95 g

System characteristics

Product family	OMNIMATE Power - series LUP	Wire connection method	Clamping yoke connection
Mounting onto the PCB	Solder connection	Conductor outlet direction	90°
Pitch in mm (P)	10.16 mm	Pitch in inches (P)	0.4 inch
No. of poles	3	Fitted by customer	Yes
Max. adjacent poles per row	12	Solder pin length (l)	3.2 mm
Solder eyelet hole diameter (D)	1.6 mm	Solder eyelet hole diameter tolerance (D)	+ 0,1 mm
Number of solder pins per pole	2	Screwdriver blade	1.0 x 5.5
Screwdriver blade standard	DIN 5264	Tightening torque, min.	1.2 Nm
Tightening torque, max.	1.5 Nm	Clamping screw	M 4
Stripping length	12 mm	L1 in mm	20.32 mm
L1 in inches	0.8 inch	Touch-safe protection acc. to DIN VDE 0470	IP20 plugged/ IP10 unplugged
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch		

Material data

Insulating material	Wemid (PA)	Colour	Black
UL 94 flammability rating	V-0	CTI	≥ 600
Temperature of glow-wire test	960 °C	Duration of glow-wire test	30 s
Contact material	E-Cu	Contact surface	tinned
Contact base material	E-Cu		

Connectable conductors

Clamping range, rated connection, min.	0.13 mm²	Clamping range, rated connection, max.	16 mm²
Wire connection cross section AWG, min.	AWG 22	Wire connection cross section AWG, max.	AWG 6
Solid, min. H05(07) V-U	0.5 mm²	Solid, max. H05(07) V-U	16 mm²
Stranded, max. H07V-R	16 mm²	Stranded, min. H07V-R	6 mm²
Stranded, min. H07V-R	6 mm²	Flexible, min. H05(07) V-K	0.5 mm²
Flexible, max. H05(07) V-K	16 mm²	w. wire end ferrule, DIN 46228 pt 1, min	2.5 mm²
w. wire end ferrule, DIN 46228 pt 1, max.	10 mm²	w. plastic collar ferrule, DIN 46228 pt 4, min.	2.5 mm²
w. plastic collar ferrule, DIN 46228 pt 4, max.	10 mm²	Plug gauge acc. to EN 60999 a x b; Ø	5.4 mm x 5.1 mm; 5.3 mm

DIN IEC rating data

Rated current, min. no. of poles (TU=20°C)	76 A	Rated current, max. no. of poles (Tu=20°C)	72 A
Rated current, number of poles (Tu=40°C), min	72 A	Rated current, number of poles (Tu=40°C), max.	62 A
Rated voltage for surge voltage class pollution degree II/2	1,000 V	Rated voltage for surge voltage class pollution degree III/2	1,000 V
Rated voltage for surge voltage class pollution degree III/3	800 V	Rated impulse voltage for surge voltage classpollution degree II/2	6 kV
Rated impulse voltage for surge voltage classpollution degree III/2	8 kV	Rated impulse voltage for surge voltage classcontamination degree III/3	8 kV
Short-time withstand current resistance	1 x 1s with 700 A		

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Technische Daten

CSA rating data

Institute (CSA)		Rated voltage (Use group B)	300 V
Rated current (use group B)	58 A	Rated voltage (Use group C)	300 V
Rated current (use group C)	58 A	Rated voltage (use group D)	300 V
Rated current (use group D)	10 A	Wire cross-section, AWG, min.	AWG 22
Wire cross-section, AWG, max.	AWG 6		

UL 1059 rating data

Rated voltage (use group B)	300 V	Rated current (use group B)	58 A
Rated voltage (use group C)	300 V	Rated current (use group C)	58 A
Rated voltage (use group D)	300 V	Rated current (use group D)	10 A
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 6

Classifications

ETIM 3.0	EC001284	eClass 6.2	27-26-11-01
eClass 7.1	27-44-04-01		

Notes

Notes

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Approvals

Approvals

ME25

ROHS	Conform

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Zeichnungen

