

## Industrial Ethernet VDATA CAT6

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



- Suitable for Cat. 5 (up to 100 MHz) and Cat. 6 (up to 250 MHz Class E)
- Suitable for PoE (acc. to IEEE 802.3af) and PoE+ (acc. to IEEE 802.3at)
- Protection of all wire pairs
- Connection via RJ45 sockets
- Metal housing

### General ordering data

Type	VDATA CAT6
Order No.	<a href="#">1348590000</a>
Version	Terminal rail fixing, Surge protection, 48 V, 1 A, According to IEC61643-21
GTIN (EAN)	4050118153002
Qty.	1 pc(s).

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**Technical data****Dimensions and weights**

Width	19 mm	Width (inches)	0.748 inch
Height	75 mm	Height (inches)	2.953 inch
Depth	46 mm	Depth (inches)	1.811 inch
Net weight	139 g		

**Temperatures**

Humidity	0...95 % (no condensation)	Operating temperature, max.	80 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C	Operating temperature	-40 °C...80 °C
Storage temperature	-40 °C...85 °C		

**General data**

Colour	Silver grey	Design	Miscellaneous, Adapter plug
Mounting rail	TS 35 x 15, TS 35 x 7.5	Protection degree	IP20
Segment	Data surge protection	Suitable for	RJ45 plug
Version	Cat.6		

**Insulation coordination acc. to EN 50178**

Pollution severity	2	Surge voltage category	III
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**Rated data IEC / EN**

Discharge current $I_{max}$ (8/20 $\mu$ s) wire-PE	10 kA	Discharge current $I_n$ (8/20 $\mu$ s) wire-PE	5 kA
Discharge current, $I_{imp}$ (10/350 $\mu$ s)	1 kA	Frequency range, max.	250 MHz
Insertion loss	$\leq 1$ dB @ 250 MHz	Lightning test current, $I_{imp}$ (10/350 $\mu$ s)	
Max. continuous voltage, $U_c$ (DC)	50 V	Wire-PE	1 kA
Rated current $I_N$	1 A	Protection level $U_p$ (typ.)	$\leq 550$ V
Requirements category acc. to IEC 61643-21	C2, D1	Rated voltage (DC)	48 V
Signal transmission properties (-3 dB)	250 kHz	Response time	$< 1$ ns
Suitable for	RJ45 plug	Standards	According to IEC61643-21
Surge current-carrying capacity D1	1 kA 10/350 $\mu$ s	Surge current-carrying capacity C2	10 kA
Volume resistance	$< 0.1 \Omega$	Voltage type	AC/DC
Wire-wire capacitance @ 1 MHz, 1 Vrms	30 pF	Wire-PE capacitance @ 1 MHz, 1 Vrms	20 pF

**Connection data**

Wire connection method	RJ45-Port
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**Rated data UL**

Voltage Breakdown (VDC) L-G	72 V - 120 V	Voltage Breakdown (VDC) L-L	53 V - 73 V
Voltage type	DC	Certificate No. (UL)	E311081
Rated Voltage $U_N$	48 V		

**Data sheet**

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**Classifications**

ETIM 3.0	EC001473	ETIM 5.0	EC000510
ETIM 6.0	EC000943	UNSPSC	30-21-19-21
eClass 5.1	27-13-08-01	eClass 6.2	27-13-08-02
eClass 7.1	27-14-02-01	eClass 8.1	27-14-02-01
eClass 9.0	27-14-02-01	eClass 9.1	27-13-08-07

**Product information**

Product information	UL File e311081
Descriptive text technical data	Can also be used for CAT.5 applications

**Approvals**

Approvals



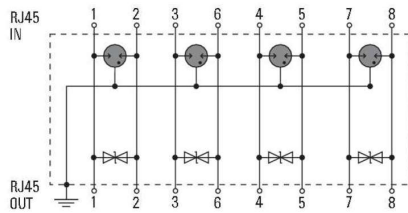
ROHS	Conform
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**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">CE PAPER</a>
Brochure/Catalogue	<a href="#">CAT 4.4 ELECTR 16/17 EN</a> <a href="#">CAT 9 IETH 15/16 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
Engineering Data	<a href="#">STEP</a>
User Documentation	<a href="#">Instruction sheet</a>

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Circuit diagram