

**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.	1348590000
Version	Terminal rail fixing, Surge protection, 1 A, According to IEC61643-21
GTIN (EAN)	4050118153002
Qty.	1 pc(s).

Industrial Ethernet V DATA 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

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		

Rated data UL

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

General data

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

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
--------------------	---	------------------------	-----

Rated data IEC / EN

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

Connection data

Wire connection method	RJ45-Port	Type of connection	RJ45-Port
------------------------	-----------	--------------------	-----------

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

Technical data

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	27-13-08-07	eClass 9.1	27-13-08-07

Product information

Product information UL File e311081

Approvals

Approvals



ROHS Conform

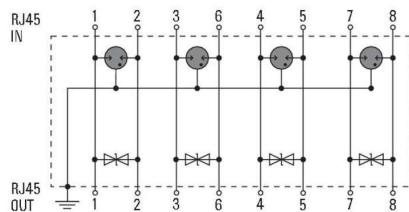
Downloads

Approval/Certificate/Document of Conformity	CE PAPER Declaration of Conformity
Brochure/Catalogue	CAT 4.4 ELECTR 16/17 EN CAT 9 IETH 15/16 EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
User Documentation	Instruction sheet

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

Drawings



Circuit diagram