

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Surge protection with status indicator for analog and digital telecommunications interfaces (VDSL up to 250 Mbps, G.fast up to 1.5 Gbps) in a surface-mounted housing. Alternatively, it can be snapped onto a DIN rail. Integrated overload protection (power-cross). Connection: RJ45 (RJ12) and push-in.

Your advantages

- Easy installation in cabinets and on the wall with screw mounting or by snapping it onto a DIN rail
- Precise function monitoring with the status indicator on the device
- No restriction of data transmission even at high speeds
- Tests by Deutsche Telekom confirm compatibility with VDSL, vectoring VDSL, super-vectoring VDSL (SVVDSL), and G.fast
- Safe response in the event of overload (power-cross) due to an integrated disconnect mechanism and electronic current limiter

Commercial data

Item number	1464188
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL3221
Product key	CL3221
GTIN	4063151856779
Weight per piece (including packing)	113.9 g
Weight per piece (excluding packing)	111.8 g
Customs tariff number	85363030
Country of origin	Information on the country of origin is provided with the delivery.

DT-TELE-WM-RJ45-PT-I - Surge protection device



1464188

<https://www.phoenixcontact.com/au/products/1464188>

Technical data

Product properties

Product type	Surge protection for information technology
Product family	DATATRAB
IEC test classification	B2
	C1
	C2
	C3
	D1
Type	DIN rail module, one-piece

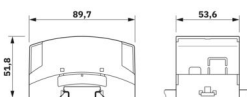
Insulation characteristics

Overvoltage category	III (≤ 2000 m (amsl))
	II (≤ 4000 m amsl)
Pollution degree	2

Connection data

Connection method	Push-in connection
Conductor cross-section flexible	0.2 mm ² ... 1.5 mm ²
Conductor cross-section rigid	0.2 mm ² ... 1.5 mm ²
Conductor cross-section AWG	24 ... 16

Dimensions

Dimensional drawing	
Width	53.6 mm
Height	89.7 mm
Depth	51.8 mm

Material specifications

Color	gray (RAL 7042)
	black (RAL 9005)
Flammability rating according to UL 94	V-0
Insulating material	PC
Housing material	PC

Mechanical properties

Mechanical data

Open side panel	No
-----------------	----

Protective circuit

DT-TELE-WM-RJ45-PT-I - Surge protection device



1464188

<https://www.phoenixcontact.com/au/products/1464188>

Maximum continuous operating voltage U_C	60 V DC
Rated current	200 mA (30 V DC, 70 °C)
	100 mA (> 30 V DC)
Operating effective current I_C at U_C	$\leq 1 \mu A$
Protective conductor current I_{PE}	$\leq 1 \mu A$
Nominal discharge current I_n (8/20) μs (line-line)	5 kA (Terminal)
Nominal discharge current I_n (8/20) μs (line-ground)	10 kA (Terminal)
Pulse discharge current I_{imp} (10/350) μs (line-earth)	1.5 kA (Terminal)
Total discharge current I_{Total} (8/20) μs	12 kA (Terminal)
Voltage protection level U_p (line-line)	≤ 1.3 kV (B2 - 4 kV / 100 A)
	≤ 1.4 kV (C1 - 2 kV / 1 kA)
	≤ 1.4 kV (C2 - 10 kV / 5 kA)
	≤ 1 kV (C3 - 15 A)
Voltage protection level U_p (line-earth)	≤ 0.8 kV (B2 - 4 kV / 100 A)
	≤ 950 V (C1 - 2 kV / 1 kA)
	≤ 950 kV (C2 - 10 kV / 5 kA)
	≤ 0.9 kV (C3 - 15 A)
	≤ 1.05 kV (C3 - 100 A)
Response time t_A (line-line)	≤ 100 ns
Response time t_A (line-earth)	≤ 100 ns
Input attenuation aE, sym.	typ. 1 dB (≤ 40 MHz/150 Ω)
Cut-off frequency f_g (3 dB), sym. in 150 Ω system	typ. 100 MHz
Capacity (Core-Core)	typ. 10 pF
Resistance per path	6 Ω
Surge protection fault message	optical
Impulse durability (line-line)	B2 - 4 kV / 100 A
	C1 - 2 kV / 1 kA
	C2 - 10 kV / 5 kA, terminal
	C2 - 3 kV / 1.5 kA, RJ45
	C3 - 100 A
Impulse durability (line-earth)	B2 - 4 kV / 100 A
	C1 - 2 kV / 1 kA
	C2 - 10 kV / 5 kA, terminal
	C2 - 3 kV / 1.5 kA, RJ45
	C3 - 100 A
	D1 - 1,5 kA, Terminal
Pulse reset time (line-line)	≤ 10 ms ($U_C = 30$ V, $I_L = 200$ mA)
	≤ 50 ms ($U_C = 60$ V, $I_L = 100$ mA)
Pulse reset time (line-earth)	≤ 10 ms ($U_C = 30$ V, $I_L = 200$ mA)
	≤ 100 ms ($U_C = 60$ V, $I_L = 100$ mA)

Environmental and real-life conditions

DT-TELE-WM-RJ45-PT-I - Surge protection device



1464188

<https://www.phoenixcontact.com/au/products/1464188>

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	≤ 4000 m (amsl)
Permissible humidity (operation)	5 % ... 95 %

Standards and regulations

Standards/specifications	IEC 61643-21
Note	2000 + corrigendum 2001 + A1:2008, modified + A2:2012

EN 61643-21

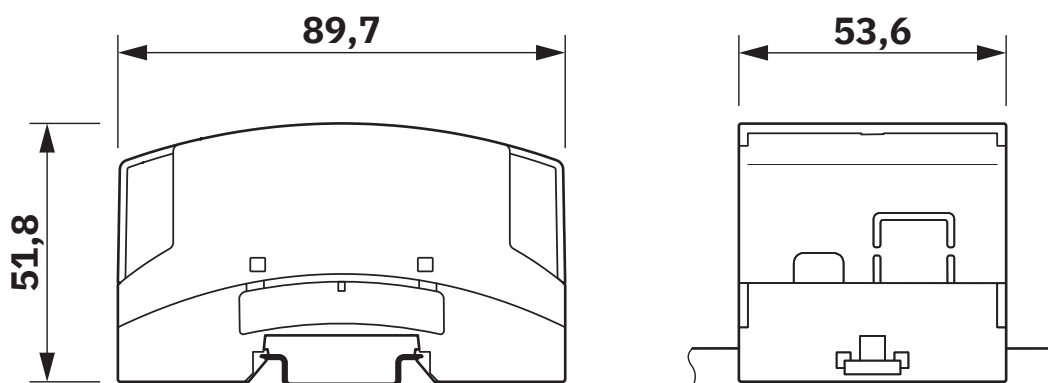
Standards/specifications	EN 61643-21
Note	2001 + A1:2009 + A2:2013

Mounting

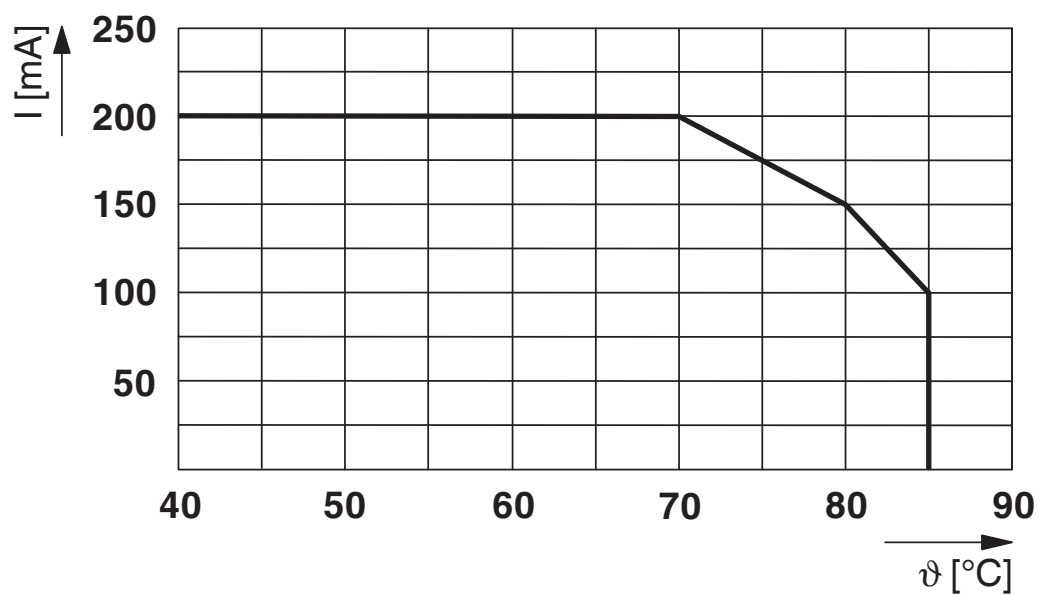
Mounting type	DIN rail: TH 35 - 7.5 mm
---------------	--------------------------

Drawings

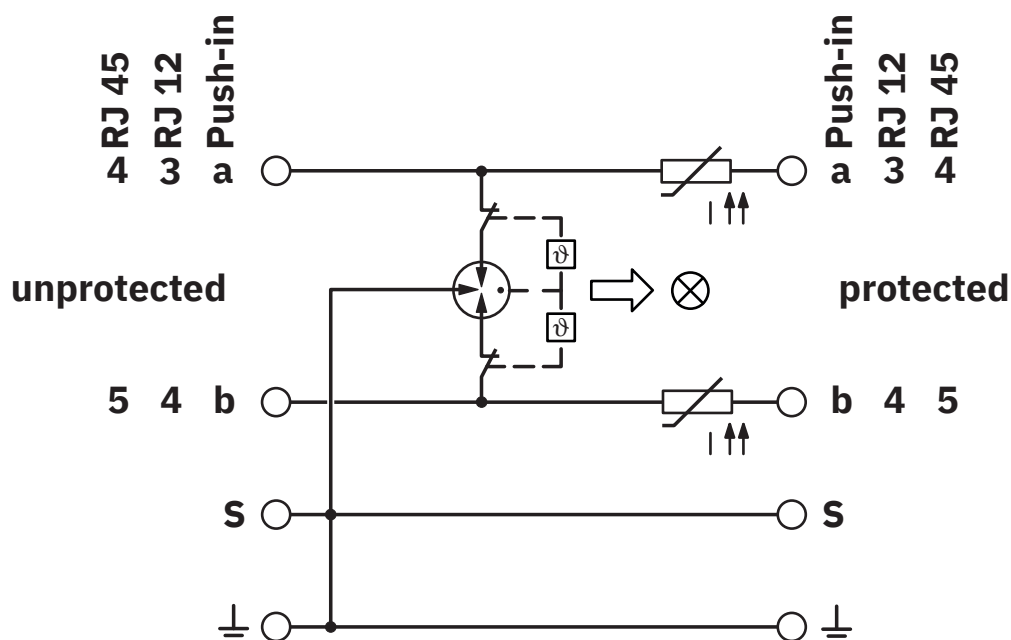
Dimensional drawing



Diagram



Circuit diagram



Classifications

ECLASS

ECLASS-13.0	27171503
ECLASS-15.0	27171503

ETIM

ETIM 10.0	EC001466
-----------	----------

Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	Perfluorobutane sulfonic acid (PFBS) and its salts(CAS: n/a)
EF3.1 Climate Change	
CO2e kg	1.788 kg CO2e

DT-TELE-WM-RJ45-PT-I - Surge protection device



1464188

<https://www.phoenixcontact.com/au/products/1464188>

Accessories

SSA 3-6 - Shield connection

2839295

<https://www.phoenixcontact.com/au/products/2839295>

Shield fast connection for 3 ... 6 mm cable diameter. Potential connecting cable:
200 mm, 1 mm², color: black



X-PEN 0,35 - Marker pen

0811228

<https://www.phoenixcontact.com/au/products/0811228>

Marker pen without ink cartridge, for manual labeling of markers, labeling
extremely wipe-proof, line thickness 0.35 mm



Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT PTY Ltd.
Level 12 1PSQ, 169 Macquarie Street
Parramatta NSW 2150
1300 786 411
customerservice@phoenixcontact.com.au