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Attachment plug with surge protection for analog and digital telecommunications interfaces (VDSL up to 50 Mbps). Connection: RJ45 (RJ12/RJ11) and screw terminal block (COMBICON). Alternatively, can be snapped onto a DIN rail.

Product Features

- For analog and digital (DSL) telecommunications interface
- Connection: RJ45 socket and/or plug-in screw terminal blocks
- The adapter included enables conversion from RJ45 to RJ11 and RJ12
- DIN rail mounting possible by removing the cover cap
- International use thanks to multiple assignment



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	332.6 g
Custom tariff number	85369010
Country of origin	Germany

Technical data

Dimensions

Height	103 mm
Width	25 mm
Depth	63 mm

Ambient conditions

Ambient temperature (operation)	-40 °C 85 °C
Degree of protection	IP20

General

Housing material	Zinc die-cast



Technical data

General

Color	silver/black
Standards for cearances and creepage distances	IEC 60664-1
	VDE 0110-1
Mounting type	Connection-specific attachment plug and DIN rail, 35 mm
Туре	Attachment plug for DIN rail mounting
Number of positions	4
Direction of action	Line-Line & Line-Ground/Shield

Protective circuit

IEC test classification	B2
	C1
	C2
	C3
	D1
VDE requirement class	B2
	C1
	C2
	C3
	D1
Maximum continuous voltage U _C	185 V DC
	130 V AC
Maximum continuous voltage U _C (wire-wire)	185 V DC
	130 V AC
Maximum continuous voltage U _C (wire-ground)	185 V DC
Nominal current I _N	≤ 380 mA (25 °C)
Operating effective current I _C at U _C	≤ 6 µA
Standby power consumption P _C	≤ 2010 mVA
Residual current I _{PE}	≤ 4 µA
Nominal discharge current I _n (8/20) µs (Core-Core)	≤ 5 kA
Nominal discharge current I _n (8/20) µs (Core-Earth)	≤ 5 kA
Total surge current (8/20) µs	10 kA
Nominal pulse current lan (10/1000) µs (Core-Core)	100 A
Nominal pulse current lan (10/1000) µs (Core-Earth)	100 A
Nominal pulse current lan (10/700) µs (Core-Core)	150 A
Nominal pulse current lan (10/700) µs (Core-Earth)	150 A
Output voltage limitation at 1 kV/µs (Core-Core) static	≤ 250 V
Output voltage limitation at 1 kV/µs (Core-Earth) static	≤ 250 V



Technical data

Protective circuit

Residual voltage at I _n (conductor-conductor)	≤ 120 V
Residual voltage at I _n (conductor-ground)	≤ 120 V
Voltage protection level U _p (core-core)	≤ 250 V (B2 - 100 A)
	≤ 250 V (C1 - 500 A)
	≤ 250 V (C2 - 5 kA)
Voltage protection level U _p (core-ground)	≤ 250 V (B2 - 100 A)
	≤ 250 V (C1 - 500 A)
	≤ 250 V (C2 - 5 kA)
Response time tA (Core-Core)	≤ 100 ns
Response time tA (Core-Earth)	≤ 100 ns
Input attenuation aE, sym.	typ. 0.5 dB (≤ 5 MHz)
	typ. 0.3 dB (≤ 8 MHz / 150 Ω)
	typ. 0.3 dB (\leq 2.5 MHz / 600 Ω)
Cut-off frequency fg (3 dB), sym. in 100 Ohm system	typ. 50 MHz
Resistance in series	3.3 Ω 10 %
Impulse durability (conductor-conductor)	C1 - 1 kV/500 A
	C2 - 10 kV/5 kA
	B2 - 4 kV/100 A
Impulse durability (conductor-ground)	B2 - 4 kV/100 A
	C1 - 1 kV/500 A
	C2 - 10 kV/5 kA
	D1 - 1 kA

Connection data

Connection method	RJ45/COMBICON
Connection type IN	RJ45 socket
	MC 1,5/4
Connection type OUT	RJ45 socket
	MC 1,5/4
Connection method	Screw connection
Screw thread	M2
Tightening torque	0.22 Nm
Stripping length	7 mm
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	1.5 mm²
Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	1.5 mm²



Technical data

Connection data

Conductor cross section AWG min.	28
Conductor cross section AWG max.	16

Connection, equipotential bonding

Connection method	Cable connection/DIN rail

Standards and Regulations

Standards/regulations	IEC 61643-21

Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130807
eCl@ss 7.0	27130807
eCl@ss 8.0	27130807
eCl@ss 9.0	27130807

ETIM

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943
ETIM 5.0	EC000943

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

Approvals

Approvals



Approvals

Approvals

EAC / EAC

Ex Approvals

Approvals submitted

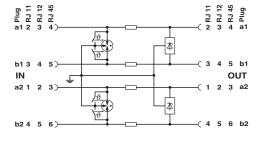
Approval details

EAC

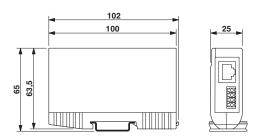
EAC

Drawings

Circuit diagram



Dimensional drawing



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