

Surge protection device - D-FM-A/RJ45-BB - 2818795


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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Attachment connector with surge protection for analog telecommunication interfaces. Connection: RJ45 sockets

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 161927
GTIN	4017918161927
Weight per Piece (excluding packing)	126.800 g
Custom tariff number	85363010
Country of origin	Germany

Technical data

Dimensions

Height	25.4 mm
Width	25.4 mm
Depth	102 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C
Degree of protection	IP20

General

Housing material	Aluminum
Color	black
Mounting type	Connection-specific intermediate plugging

Surge protection device - D-FM-A/RJ45-BB - 2818795

Technical data

General

Type	Attachment plug
Direction of action	Line-Line & Line-Earth Ground

Protective circuit

IEC test classification	C2
	C3
VDE requirement class	C2
	C3
Maximum continuous voltage U_C	185 V DC
Nominal current I_N	150 mA
Operating effective current I_C at U_C	$\leq 10 \mu A$
Residual current I_{PE}	$\leq 1 \mu A$
Nominal discharge current I_n (8/20) μs (line-earth)	2.5 kA
Output voltage limitation at 1 kV/ μs (line-line) spike	$\leq 300 V$
Output voltage limitation at 1 kV/ μs (line-earth) spike	$\leq 1.4 kV$
Output voltage limitation at 1 kV/ μs (line-line) static	$\leq 300 V$
Output voltage limitation at 1 kV/ μs (line-earth) static	$\leq 1.4 kV$
Residual voltage at I_n (line-line)	$\leq 50 V$
Residual voltage at I_n (line-earth)	$\leq 150 V$
Voltage protection level U_p (line-line)	$\leq 300 V$
Voltage protection level U_p (line-earth)	$\leq 1.4 kV$
Response time t_A (line-line)	$\leq 10 ns$
Response time t_A (line-earth)	$\leq 100 ns$
Inductivity in series	39 $\mu H \pm 10 \%$
Resistance per path	1 Ω
Short-circuit current self-quenching	150 mA
Surge protection fault message	none

Connection data

Connection method	RJ45
Connection method IN	RJ45 socket
Connection method OUT	RJ45 socket

Standards and Regulations

Standards/regulations	Draft IEC 64644-1
	E VDE 0845-3-1

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
------------	----------------

Surge protection device - D-FM-A/RJ45-BB - 2818795

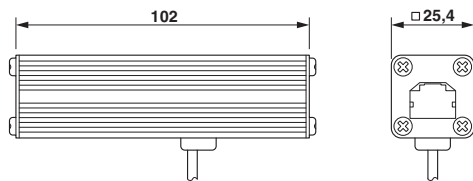
Technical data

Environmental Product Compliance

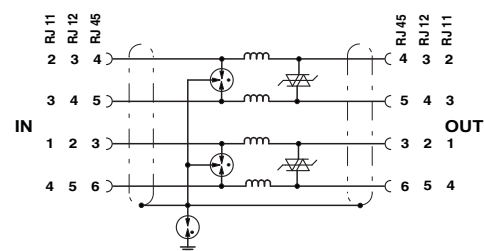
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Dimensional drawing



Circuit diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27130807
eCl@ss 11.0	27130807
eCl@ss 4.0	27130800
eCl@ss 4.1	27130800
eCl@ss 5.0	27130800
eCl@ss 5.1	27130800
eCl@ss 6.0	27130800
eCl@ss 7.0	27130807
eCl@ss 9.0	27130807

ETIM

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943
ETIM 6.0	EC000943
ETIM 7.0	EC000943

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610

Surge protection device - D-FM-A/RJ45-BB - 2818795

Classifications

UNSPSC

UNSPSC 13.2	39121620
UNSPSC 18.0	39121620
UNSPSC 19.0	39121620
UNSPSC 20.0	39121620
UNSPSC 21.0	39121620

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		RU C- DE.*09.B.00169
-----	---	-------------------------