

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Surge protection with integrated status indicator for a 2-wire floating signal circuit with high nominal current.

#### Why buy this product

- ☑ Space-saving installation due to the narrow overall width of 6.2 mm
- Signaling without additional auxiliary power, thanks to the mechanical status indicator
- Optional remote signaling module monitors up to 40 items, without additional wiring
- Safe behavior in the event of overload, thanks to the integrated disconnect device



## **Key Commercial Data**

Packing unit	1 STK
GTIN	4 055626 300429
GTIN	4055626300429

#### Technical data

### Dimensions

Height	105.8 mm
Width	6.2 mm +0.1 mm
Depth	83.5 mm (incl. DIN rail 7.5 mm)

#### Ambient conditions

Ambient temperature (operation)	-40 °C 85 °C
Ambient temperature (storage/transport)	-40 °C 85 °C
Altitude	≤ 4000 m (amsl (above mean sea level))
Degree of protection	IP20

#### General

I Housing material	PBT
. roughing material	



## Technical data

#### General

Flammability rating according to UL 94	V-0
Color	traffic grey A RAL 7042
Mounting type	DIN rail: TH 35 - 7.5 mm
Туре	DIN rail module, one-piece
Direction of action	Line-Line & Line-Signal Ground/Shield & optional Signal Ground/Shield- Earth Ground

#### Protective circuit

C1
C2
C3
D1
24 V DC
30 V DC
6 A (55 °C)
≤ 5 µA
≤ 1 µA
0.5 kA
5 kA
0.5 kA
5 kA
≤ 50 V (C1 - 1 kV/500 A)
≤ 45 V (C3 - 25 A)
≤ 50 V (C3 - 100 A)
≤ 1.35 kV (C1 - 1 kV/500 A)
≤ 1.45 kV (C2 - 10 kV / 5 kA)
≤ 850 V (C3 - 25 A)
≤ 1.1 kV (C3 - 100 A)
≤ 1 ns
≤ 100 ns
typ. 0.3 dB (≤ 300 kHz / 150 Ω)
typ. 1 MHz
typ. 2.2 nF
$\leq$ 100 m $\Omega$
optical
6.3 A (FF)
C1 - 1 kV/500 A
C3 - 100 A
C1 - 1 kV/500 A
C2 - 10 kV/5 kA
C3 - 100 A



## Technical data

#### Protective circuit

	D1 - 500 A
Pulse reset time (line-earth)	≤ 40 ms

#### Connection data

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.5 Nm 0.6 Nm
Stripping length	8 mm
Conductor cross section flexible	0.2 mm² 2.5 mm²
Conductor cross section solid	0.2 mm² 4 mm²
Conductor cross section AWG	24 12

#### Standards and Regulations

Standards/specifications	IEC 61643-21 2000 + corrigendum 2001 + A1:2008, modified + A2:2012
	EN 61643-21 2001 + A1:2009 + A2:2013

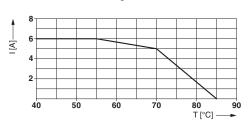
#### **Environmental Product Compliance**

## Drawings

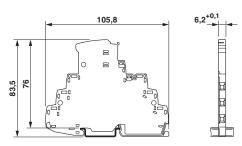
#### Pictogram



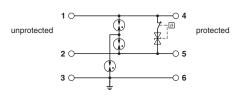
#### Diagram



#### Dimensional drawing



#### Circuit diagram



## Approvals

## Approvals



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Approvals

UL Listed / CSA / CSAus / DNV GL / cCSAus

Ex Approvals

Approval details

UL Listed http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 138168

CSA http://www.csagroup.org/services-industries/product-listing/ 70136717

CSAus http://www.csagroup.org/services-industries/product-listing/ 70136717

DNV GL http://exchange.dnv.com/tari/ TAE000027G

cCSAus



http://www.csagroup.org/services-industries/product-listing/

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