

Surface Mount Fuse, PTC, 2920 or 3425 footprint, 16 VDC, up to 125 °C



16.0VDC · 1.36 - 1.6A

See below:

[Approvals and Compliances](#)

Description

- Operating temperature range up to 125 °C

Applications

- Overcurrent protection at operating temperature over 85 °C

Weblinks

[pdf data sheet](#), [html datasheet](#), [General Product Information](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

Technical Data

V max	16.0VDC
I _{max}	100A
I hold	1.36 - 1.6A
Attachment	PCB,SMT
Allowable Operation Temperature	-40 °C to 125 °C
Material: Terminals	Tin-Plated Brass
Weight	0.4 g
Storage Conditions	0 °C to 40 °C, max. 70% r.h.
Product Marking	I hold

Soldering Methods	Reflow Soldering Profile
Solderability	215 °C / 3 sec
Resistance to Soldering Heat	260 °C / 10 sec
Moisture Sensitivity Level	MSL 1, J-STD-020
Passing Aging	+125 °C, 1000 Hours -> +/- 15% Typical Resistance Change
Humidity Aging	+85 °C, 85% r.h., 7 Days -> +/- 15% Typical Resistance Change
Thermal Shock	MIL-STD-202, Method 107 (+125 °C to -55 °C, 10 Cycles) -> +/- 15% Typical Resistance Change
Vibration	MIL-STD-883C, Method 2007.1, Test Condition A

Approvals and Compliances

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [Details about Approvals](#)

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

Application standards

Application standards where the product can be used

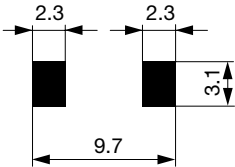
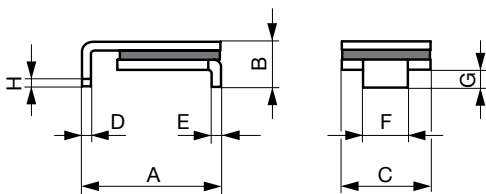
Organization	Design	Standard	Description
	Designed for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements

Compliances

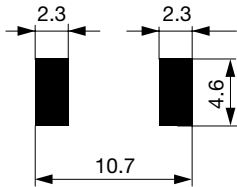
The product complies with following Guide Lines

Identification	Details	Initiator	Description
CE	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
UKCA	UKCA declaration of conformity	SCHURTER AG	The UKCA marking declares that the product complies with the applicable requirements laid down in the British Amendment of Regulation (EC) 765/2008.
RoHS	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
China RoHS	China RoHS	SCHURTER AG	The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.
REACH	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.

Dimension [mm]

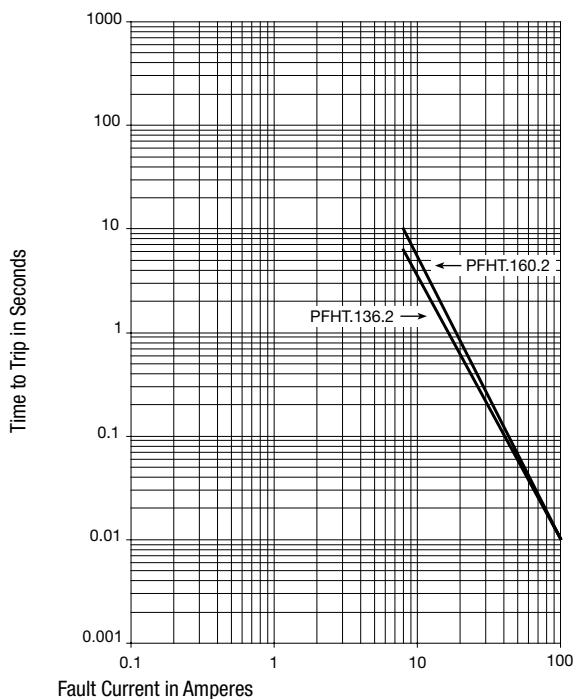


Solder pads PFHT.136.2



Solder pads PFHT.160.2

Time-Current-Curves



Dimensions

Order Number	A min [mm]	A max [mm]	B max [mm]	C max [mm]	D min [mm]	D max [mm]	E min [mm]	E max [mm]	F min [mm]	F max [mm]	G min [mm]	G max [mm]	H min [mm]	Order Number
PFHT.136.2	6.73	7.98	3	5.44	0.56	0.71	0.56	0.71	2.16	2.41	0.66	1.37	0.43	PFHT.136.2
PFHT.160.2	8	9.5	3	6.71	0.56	0.71	0.56	0.71	3.68	3.94	0.66	1.37	0.43	PFHT.160.2

Availability for all products can be searched real-time: <https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>

Thermal Derating Chart Ihold [A]

Order Number	-40 °C	-20 °C	0 °C	23 °C	40 °C	50 °C	60 °C	70 °C	85 °C	125 °C	Order Number
PFHT.136.2	1.91	1.72	1.54	1.36	1.18	1.09	1	0.91	0.77	0.4	PFHT.136.2
PFHT.160.2	2.15	1.96	1.78	1.6	1.42	1.33	1.24	1.15	1.02	0.64	PFHT.160.2

Availability for all products can be searched real-time: <https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>

Electrical Characteristics at 23 °C

V max [VDC]	I max [A]	I hold [A]	I trip [A]	R initial min [Ω]	R 1hour max [Ω]	Max Time to trip [A]	Max Time to Trip [s]	Tripped Power Dissipation [W]	Order Number
16.0	100	1.36	2.72	0.104	0.3	8	10	2.10	PFHT.136.2
16.0	100	1.6	3.2	0.05	0.15	8	10	2.10	PFHT.160.2

Availability for all products can be searched real-time: <https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>

Packaging Unit

acc. IEC 60286-3 Type 2a

PFHT.136.2 2000 pcs. in tape [W: 16mm and P1: 8/12mm] on reel [A: 36cm]
PFHT.160.2 1500 pcs. in tape [W: 16mm and P1: 8/12mm] on reel [A: 36cm]