SIEMENS

Data sheet 3SF1124-1LA00-1BA2

Basic switch without actuator head Metal enclosure, 56 mm wide ASIsafe integrated AS-i status: 1:F-IN1, 2: F-IN2 3:AS-i/FAULT Snap-action contacts 1 NC with M12 connector 4-pole Channel 1 to NC, Channel 2 to M12 socket on the right

product brand name	SIRIUS
product designation	Mechanical safety switches
product type designation	3SF11
manufacturer's article number	
● of the supplied basic switch	3SF1124-1LA00-1BA2
suitability for use safety switch	Yes
General technical data	
product function positive opening	Yes
insulation voltage rated value	30 V
degree of pollution	class 3
surge voltage resistance rated value	0.8 kV
shock resistance according to IEC 60068-2-27	30g / 11 ms
vibration resistance according to IEC 60068-2-6	0.35 mm/5g
mechanical service life (operating cycles) typical	15 000 000
reference code according to IEC 81346-2	B
active principle	mechanical
repeat accuracy	0.1 mm
Substance Prohibitance (Date)	03/01/2017
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Imidazolidine-2-thione (2-imidazoline-2-thiol) - 96-45-7 Diboron trioxide - 1303-86-2
Weight	0.445 kg
length of the sensor	99.7 mm
width of the sensor	56 mm
Ambient conditions	
ambient temperature	
● during operation	-25 ... +60 °C
● during storage	-40 ... +80 °C
design of the switching contact	mechanical
number of NC contacts for auxiliary contacts	2
number of NO contacts for auxiliary contacts	0
Enclosure	
design of the housing	block, wide
material of the enclosure	metal
coating of the enclosure	cathodic dip coating
design of the housing according to standard	No
Drive Head	
design of the switching function	positive opening
circuit principle	snap-action contacts

number of switching contacts safety-related	1
design of plug-in connection	M12 plug, 4-pole: Pin 1 = ASI+ , Pin 2 = not assigned, Pin 3= ASI-, Pin 4 = not assigned
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing
Connections/ Terminals	
type of electrical connection	plug M12
Supply voltage	
type of voltage of the supply voltage of the optional LED display	DC
supply voltage of LED	
•	24 V
design of the interface for safety-related communication	ASIsafe via M12 plug, channel 2 looped through to M12 socket on the right

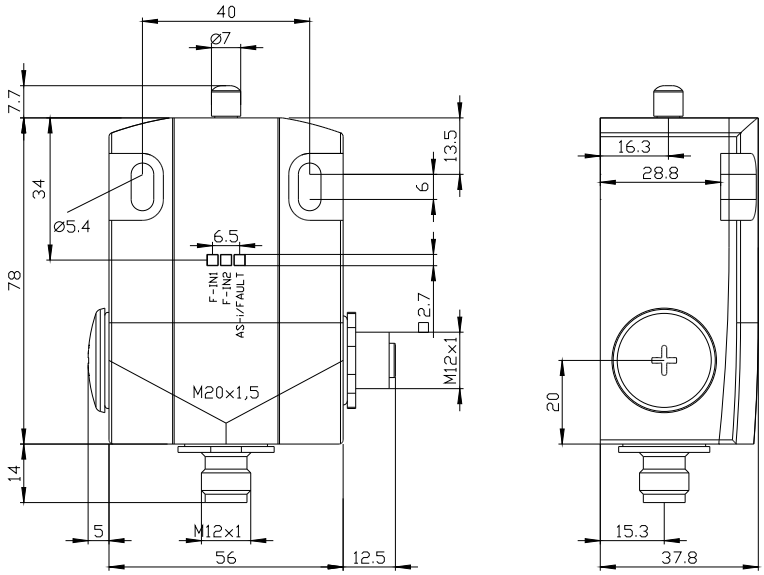
Approvals Certificates

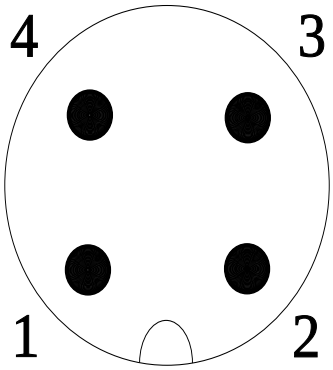
General Product Approval	Test Certificates	other
	Type Test Certific-ates/Test Report	

other	Environment
Confirmation / Miscellaneous	Environmental Con-firmations

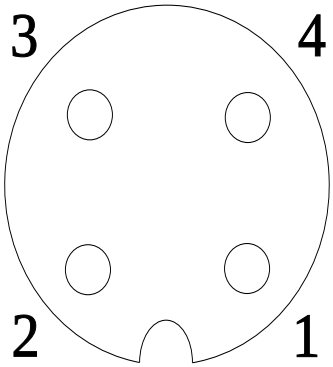
Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/ic10
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SF1124-1LA00-1BA2
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SF1124-1LA00-1BA2
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SF1124-1LA00-1BA2
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SF1124-1LA00-1BA2&lang=en





1	→	ASI +
2	→	n. c.
3	→	ASI -
4	→	n. c.



1	→	Ch 2
2	→	Ch 2
3	→	n. c.
4	→	n. c.

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