



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 Slow-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	3SF1124-1KA00-1BA2
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
protection class IP	IP66/IP67
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 (switching 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
AS-Interface slave profile	0.B.F
ID1 code	F (hex, variable 0...F)
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	slow-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		
Certificates/ approvals				
General Product Approval		Declaration of Conformity	Test Certificates	other



[Type Test Certificates/Test Report](#)

[Confirmation](#)

other

[Miscellaneous](#)

Further information

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=3SF1124-1KA00-1BA2>

Cax online generator

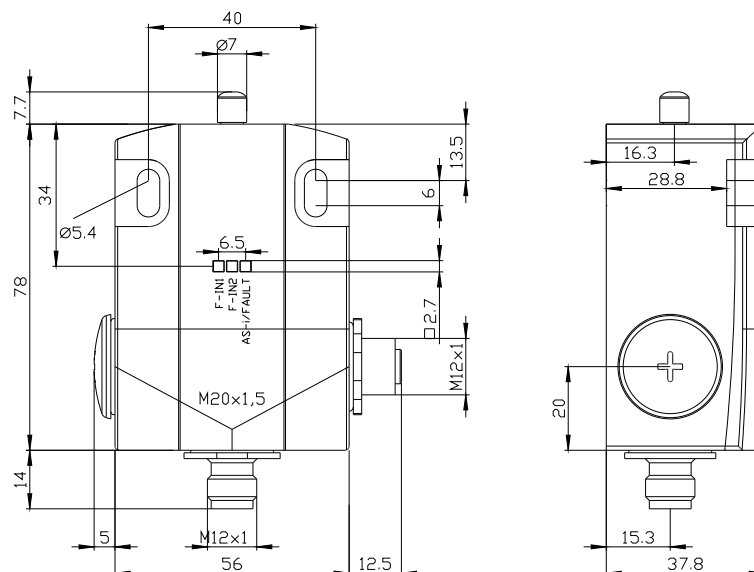
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SF1124-1KA00-1BA2>

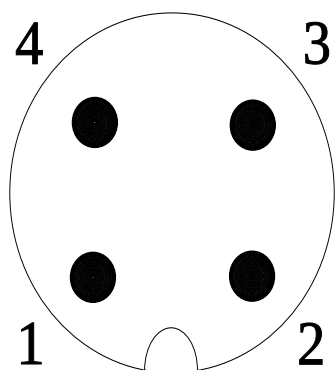
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SF1124-1KA00-1BA2>

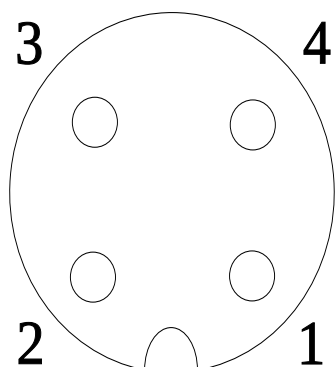
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SF1124-1KA00-1BA2&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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