



Safety position switch with separate actuator 5 directions of approaches
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	3SE5000-0AV01 standard actuator, 3SE5000-0AV02 actuator with vertical fixing, 3SE5000-0AV03 actuator with transverse fixing, 3SE5000-0AV04 radius actuator left, 3SE5000-0AV05 universal actuator, 3SE5000-0AV06 radius actuator right
• of the optional actuators	
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	1 000 000
material of the enclosure of the switch head	metal enclosure
reference code according to IEC 81346-2	B
active principle	mechanical
repeat accuracy	0.1 mm
Substance Prohibitance (Date)	03/01/2017
minimum actuating force in directions of actuation	10 N
AS-Interface slave profile	0.B.F
ID1 code	F (hex, variable 0...F)
length of the sensor	124 mm
width of the sensor	56 mm
Ambient conditions	
ambient temperature	-25 ... +60 °C -40 ... +80 °C
• during operation	
• during storage	
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 actuating element		without
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
		other



[Confirmation](#)

[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=3SF1124-1QV10-1BA2>

Cax online generator

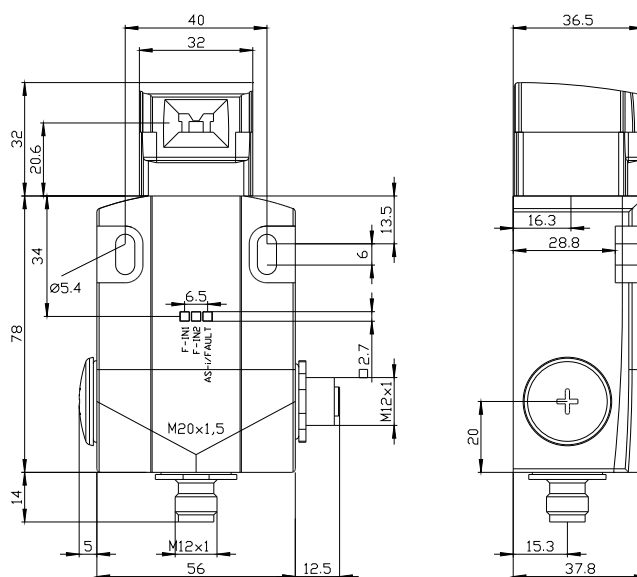
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SF1124-1QV10-1BA2>

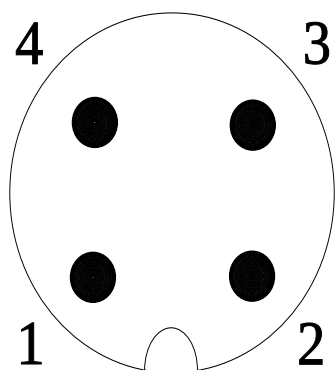
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SF1124-1QV10-1BA2>

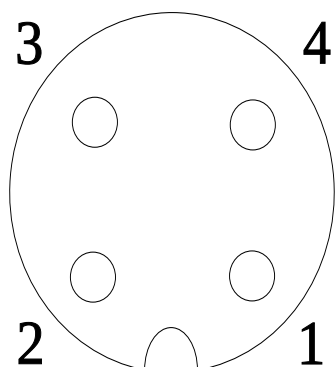
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SF1124-1QV10-1BA2&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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