



Basic switch without actuator head Plastic enclosure, EN 50047 ASIsafe integrated AS-i status: 1:F-IN1, 2: F-IN2 3:AS-i/FAULT Snap-action contacts 2 NC with M12 connector 4-pole Channel 1 to NC, Channel 2 to NC

product brand name	SIRIUS
product designation	Mechanical safety switches
product type designation	3SF12
manufacturer's article number	
• of the supplied basic switch	3SF1234-1LC05-1BA1
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	IP65
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
minimum actuating force in directions of actuation	20 N
AS-Interface slave profile	0.B.F
ID1 code	F (hex, variable 0...F)
length of the sensor	89.7 mm
width of the sensor	31 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, narrow
material of the enclosure	plastic
design of the housing according to standard	Yes
Drive Head	
design of the actuating element	Other, without, ASi_basic switch with plug
design of the switching function	positive opening
circuit principle	snap-action contacts
number of switching contacts safety-related	2

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		M12 plug, fixed, 4-pole
Supply voltage		
type of voltage of the supply voltage of the optional LED display		DC
supply voltage <ul style="list-style-type: none">• of LED		24 V
design of the interface for safety-related communication		ASIsafe via M12 plug
Certificates/ approvals		
General Product Approval	Declaration of Conformity	Test Certificates



Type Test Certificates/Test Report

other

Further information

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=3SF1234-1LC05-1BA1>

Cax online generator

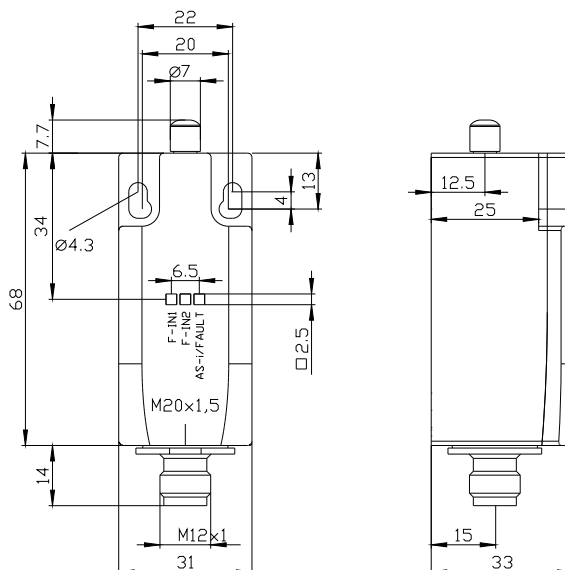
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SF1234-1LC05-1BA1>

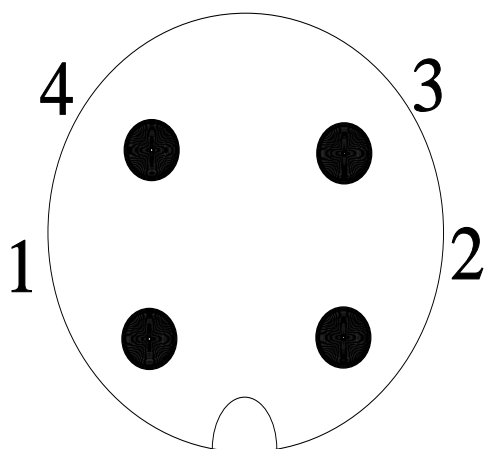
Service & Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SF1234-1LC05-1BA1>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SF1234-1LC05-1BA1&lang=en





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

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12/21/2020 