



Basic switch Rounded plunger Metal enclosure, according to EN 50047 ASIsafe integrated AS-i status: 1:F-IN1, 2: F-IN2 3:AS-i/FAULT Snap-action contacts 2 NC/1 NO 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	<a href="#">3SF1214-1LC05-1BA1</a>
suitability for use safety switch	Yes
<b>General technical data</b>	
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 (operating cycles) typical	15 000 000
reference code according to IEC 81346-2	B
active principle	mechanical
repeat accuracy	0.1 mm
Substance Prohibittance (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
<b>Ambient conditions</b>	
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
<b>Enclosure</b>	
design of the housing	block, narrow
material of the enclosure	metal
coating of the enclosure	cathodic dip coating
design of the housing according to standard	Yes
<b>Drive Head</b>	
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
<b>design of plug-in connection</b>	M12 plug, 4-pole: Pin 1 = ASI+ , Pin 2 = not assigned, Pin 3= ASI-, Pin 4 = not assigned
<b>Installation/ mounting/ dimensions</b>	
<b>mounting position</b>	any
<b>fastening method</b>	screw fixing
<b>Connections/ Terminals</b>	
<b>type of electrical connection</b>	M12 plug, fixed, 4-pole
<b>Supply voltage</b>	
type of voltage of the supply voltage of the optional LED display	DC
<b>supply voltage</b>	
• of LED	24 V
design of the interface for safety-related communication	ASIsafe via M12 plug

<b>Certificates/ approvals</b>		
<b>General Product Approval</b>	<b>Declaration of Conformity</b>	<b>Test Certificates</b>



[Type Test Certificates/Test Report](#)

[Type Test Certificates/Test Report](#)

other

[Confirmation](#)

#### Further information

Siemens has decided to exit the Russian market (see here).

<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=3SF1214-1LC05-1BA1>

Cax online generator

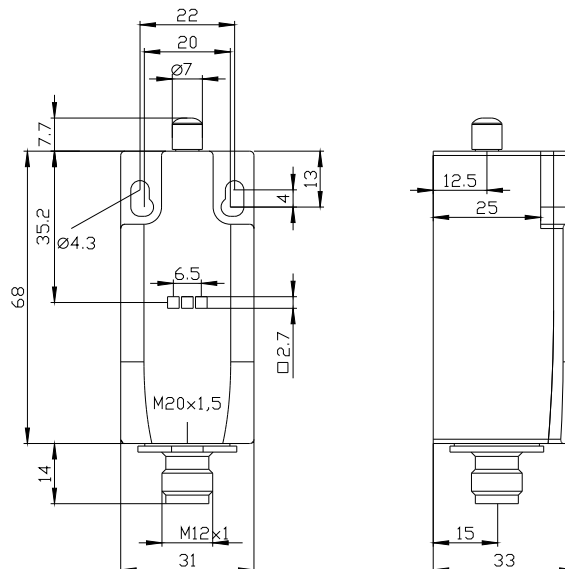
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SF1214-1LC05-1BA1>

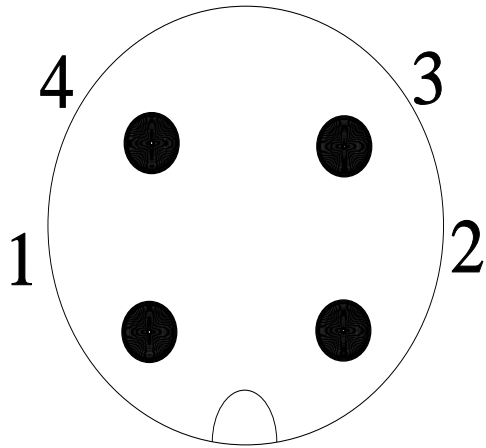
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SF1214-1LC05-1BA1>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SF1214-1LC05-1BA1&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SF1214-1LC05-1BA1&lang=en)





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

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1/26/2022 