



Safety position switch with separate actuator 5 directions of approaches Metal enclosure, according to EN 50041 ASIsafe integrated AS-i status: 1:F-IN1, 2: F-IN2 3:AS-i/FAULT Slow-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	3SF11
Manufacturer's article number of the optional actuators	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
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 acc. to IEC 60068-2-27	30 g / 11 ms

Vibration resistance	
• acc. 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 acc. to DIN EN 81346-2	B
Reference code acc. to DIN EN 61346-2	B
Active principle	mechanical
Repeat accuracy	0.1 mm
Minimum actuating force in activation direction	10 N
Length of the sensor	124 mm
Width of the sensor	40 mm
Design of the switching contact	mechanical
Number of NC contacts for auxiliary contacts	2
Number of NO contacts for auxiliary contacts	0
Design of the interface for safety-related communication	ASIsafe via M12 plug

Enclosure

Design of the housing	block, narrow
Material of the enclosure	metal
Coating of the enclosure	cathodic immersion coating
Design of the housing acc. to standard	Yes

Drive Head

Design of the operating mechanism	without
Design of the switching function	positive opening
Circuit principle	slow-action contacts
Number of switching contacts safety-related	2

Connections/ Terminals

Type of electrical connection	plug M12
Design of plug-in connection	M12 plug, 4-pole: Pin 1 = ASI+ , Pin 2 = not assigned, Pin 3= ASI- , Pin 4 = not assigned
AS interface slave profile	0.B.F
ID1 code	F (hex, variable 0...F)

Ambient conditions

Ambient temperature	
• during operation	-25 ... +60 °C
• during storage	-40 ... +80 °C

Supply voltage

Type of voltage of the supply voltage	
• of the optional LED indicator	DC
Supply voltage	

• of LED

24 V

Installation/ mounting/ dimensions

Mounting position

any

Mounting type

screw fixing

Certificates/ approvals

General Product Approval

Declaration of Conformity

other



[Miscellaneous](#)

[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=3SF1114-1QV10-1BA1>

Cax online generator

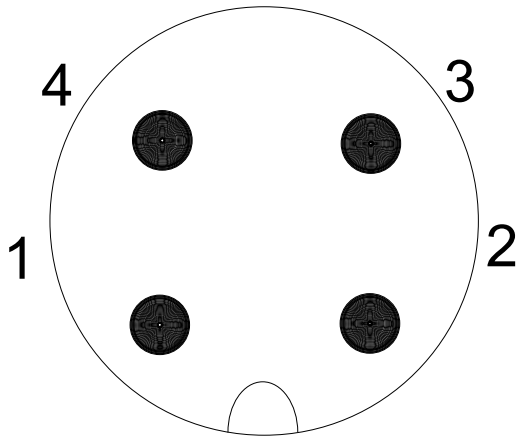
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SF1114-1QV10-1BA1>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SF1114-1QV10-1BA1>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SF1114-1QV10-1BA1&lang=en



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

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