MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

3SF1324-1SD21-1BA1

SIRIUS SAFETY POSITION SWITCH WITH TUMBLER

Used with the applicable SIRIUS 3SF1 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens technical documentation for 3SF1324-1SD21-1BA1

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Data sheet 3SF1324-1SD21-1BA1



Safety position switch with tumbler Locking force 1300 N 5 directions of approaches Plastic enclosure, M12 connector ASIsafe integrated Channel 1=actuator 1 NC Channel 2=magnet 1 NC spring-locked Auxiliary release on front Magnet voltage 24 V DC/AC Monitoring actuator 2 NC/1 NO Monitoring magnet 2 NC/1 NO The matching separate Actuator 3SE5000-0AV0 must be ordered separately

product brand name	SIRIUS
product designation	Mechanical safety switches
design of the product	with separate actuator and with tumbler
product type designation	3SF13
manufacturer's article number of the optional actuators	3SE5000-0AV01 standard actuator, 3SE5000-0AV02 actuator with vertical mounting, 3SE5000-0AV03 actuator with transverse mounting, 3SE5000-0AV04 radius actuator left, 3SE5000-0AV05 universal actuator, 3SE5000-0AV06 radius actuator right, 3SE5000-0AV07 heavy duty actuator
suitability for use safety switch	Yes
General technical data	
product function positive opening	Yes
locking force	1 300 N
● according to EN ISO 14119	1 000 N
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	30g / 11 ms
● **according to IEC 60068-2-27**	30g / 11 ms
vibration resistance	0.35 mm / 5g
● **according to IEC 60068-2-6**	0.35 mm/5g
mechanical service life (operating cycles) typical	1 000 000
material of the enclosure of the switch head	plastic
reference code according to IEC 81346-2	B
repeat accuracy	0.1 mm
Substance Prohibitance (Date)	03/01/2017
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8
minimum actuating force in directions of actuation	30 N
Ambient conditions	
ambient temperature	
● during operation	-25 ... +60 °C
● during storage	-40 ... +80 °C
Enclosure	
design of the housing	special design
material of the enclosure	plastic
design of the housing according to standard	No
Drive Head	
design of the actuating element	5 directions of approach
design of the switching function	positive opening
number of directions of actuation	5

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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
Supply voltage	
supply voltage of magnet coil	24 V
Communication/ Protocol	
design of the interface	M12 plug, fixed
Safety related data	
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures with high demand rate according to SN 31920	20 %

Certificates/ approvals

General Product Approval	Declaration of Conformity	Test Certificates
CSA UL EAC	CE EG-Konf. UKCA	Type Test Certificates/Test Report

other	Dangerous Good
ASi Confirmation Miscellaneous	Transport Information

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=3SF1324-1SD21-1BA1
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SF1324-1SD21-1BA1
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SF1324-1SD21-1BA1
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SF1324-1SD21-1BA1&lang=en

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