

SAFETY POS. W. TUMBLER LOCKING FORCE 2600N, 5 DIR. OF APPROACH METAL ENCLOSURE, M12 CONNECTOR, ASISAFE INTEGRATED CH1=ACTUATOR 1NC, CH2=MAGNET 1NC SPRING-ACTUATED LOCK, ESCAPE RELEASE ON REAR AND AUX. RELEASE ON FRONT MAGNET VOLTAGE 24V DC/AC, MONITORING OF ACTUATOR 2NC/1NO, MONITORING OF MAGNET 2NC/1NO THE MATCHING SEPARATE ACTUATOR 3SE5000-0AV0 MUST BE ORDERED SEPARATELY

Product designation	position switch with tumbler
Design of the product	with separate actuator and with tumbler
Manufacturer's article number	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
• of the optional actuators	

General technical data

Product function	Yes
• positive opening	
Insulation voltage	30 V
• rated value	
Degree of pollution	class 3
Surge voltage resistance rated value	0.8 kV
Protection class IP	IP65/IP67
Vibration resistance	0.35 mm / 5g 0.35 mm/5g
• acc. to IEC 60068-2-6	
Mechanical service life (switching cycles)	1 000 000
• typical	
Material of the enclosure of the switch head	metal
Equipment marking	B B
• acc. to DIN EN 61346-2	
• acc. to DIN EN 81346-2	
Locking force	2 600 N 2 000 N
• acc. to DIN EN ISO 14119	
Repeat accuracy	0.1 mm
Minimum actuating force in activation direction	30 N

Enclosure

Design of the housing	special design
Material of the enclosure	metal

Coating of the enclosure	cathodic immersion coating
Design of the housing acc. to standard	No

Drive Head	
Design of the operating mechanism	5 directions of approach
Design of the switching function	positive opening
Number of actuation directions	5

Connections/Terminals	
Type of electrical connection	M12 plug, fixed

Mechanical data	
Design of plug-in connection	M12 plug, 4-pole: Pin 1 = ASI+ , Pin 2 = not assigned, Pin 3= ASI- , Pin 4 = not assigned
Locking mechanism design	Spring-locked (quiescent current principle) with escape release on the back and auxiliary release with lock on the front

Communication/ Protocol	
Design of the interface	M12 plug, fixed

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

Supply voltage	
Supply voltage of magnet coil	24 V

Installation/ mounting/ dimensions	
Mounting position	any
Mounting type	screw fixing

Certificates/approvals			
General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity	other



[Baumusterprüfbescheinigung](#)



[Bestätigungen](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SF1314-1SH11-1BA1>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SF1314-1SH11-1BA1>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SF1314-1SH11-1BA1>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SF1314-1SH11-1BA1&lang=en

last modified:

10/07/2016