SIEMENS

Data sheet 3SE5112-0CA00-1AJ0

SIRIUS POSITION SWITCH, BASIC SWITCH, METAL, 40MM, ACC.TO EN50041 INCREASED CORROSION PROTECTION, DEVICE CONNECTION 1X (M20X1.5) 1NO/1NC QUICK-ACT.CONTACTS FUNCTIONAL AT -40 DEGREES, SHOCK-AND VIBRATION TEST ACC.TO EN61373, CATEGORY 1B

Product designation		basic switch for standard position schwitches
Manufacturer article number		
• of the supplied basic switch		3SE5112-0CA00-1AJ0
• of the supplied switching contacts		3SE5000-0CA00

General technical data:		
Product function		
• **positive opening**		Yes
Insulation voltage		
• Rated value	V	400
Degree of pollution		class 3
Shock resistance		30g / 11 ms
Vibration resistance		0.35 mm / 5g
Surge voltage resistance Rated value	kV	6
Mechanical service life (switching cycles)		
• typical		15 000 000
Electrical endurance (switching cycles)		
• at AC-15 at 230 V typical		100 000
Electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical		10 000 000
Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026		6 000
Thermal current	A	6
Protection class IP		IP66/IP67
Equipment marking		

• acc. to DIN EN 61346-2		B
• acc. to DIN EN 81346-2		B
Active principle		mechanical
Repeat accuracy	mm	0.05
Explosion protection category for dust		none
Explosion protection category for gas		none
Minimum actuating force in activation direction	N	20
Operating current at AC-15		
• at 230 V Rated value	A	6
• at 400 V Rated value	A	4
Operating current		
• at DC-13 at 125 V Rated value	A	0.55
• at DC-13 at 400 V Rated value	A	0.1
Operating current		
• at DC-13		
— at 24 V Rated value	A	3

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 with appropriate positive opening actuator head

Connections/ Terminals:		
Type of electrical connection		screw-type terminals
Type of connectable conductor cross-section		
• solid		1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²)
• finely stranded with core end processing		1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²)
• finely stranded without core end processing		1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²)
• for AWG conductors		
— solid		1x (20 ... 16), 2x (20 ... 18)
— stranded		1x (20 ... 16), 2x (20 ... 18)

Mechanical data:		
Cable entry type		1x (M20 x 1.5)

Communication/ Protocol:		
Design of the interface		without

Ambient conditions:		
Ambient temperature		

• during operation	°C	-40 ... +85
• during storage	°C	-40 ... +90

Installation/ mounting/ dimensions:

mounting position		any
Mounting type		screw fixing

Certificates/ approvals:

General Product Approval				Declaration of Conformity	Test Certificates
CCC	CSA	UL	EAC	EG-Konf.	Special Test Certificate

other

Confirmation

Vibration Test Certificates

Further information

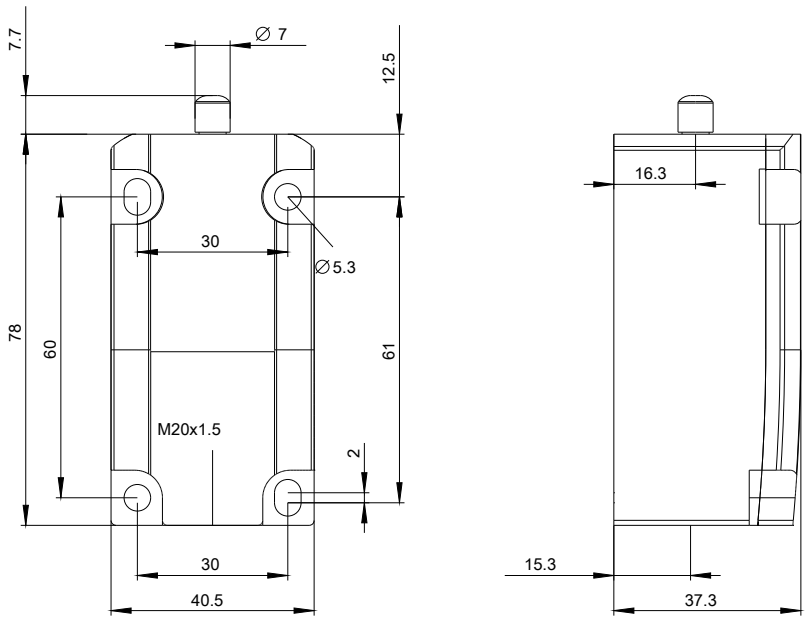
Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)
http://www.siemens.com/industrymall

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE51120CA001AJ0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3SE51120CA001AJ0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE51120CA001AJ0&lang=en



last modified: 09.03.2015