

PREASSEMBLED COMBINATION WITH POSITION SWITCH METAL-SEALED, SINGLE PLUNGER SNAP-ACTION CONTACTS 1NO+1NC 1XM20X1.5 AND CONNECTOR SOCKET 3SY3131, 6-POLE AND PE PIN ALLOC.: PIN1=21, PIN2=22, PIN3=13, PIN4=14 NC=PIN1+2, NO=PIN3+4 PIN5 SMD PIN6 NOT USED, PE CONNECTED

product designation		position switch	
suitability for use safety switch		Yes	
General technical data			
protection class IP		IP67	
reference code according to IEC 81346-2		B	
active principle		mechanical	
Substance Prohibittance (day/month/year)		07/01/2006	
Net Weight		0.26 kg	
length of the sensor		117.8 mm	
width of the sensor		40 mm	
Ambient conditions			
ambient temperature			
• during operation		-30 ... +85 °C	
explosion protection category for dust		none	
design of the switching contact		mechanical	
number of NC contacts for auxiliary contacts		1	
number of NO contacts for auxiliary contacts		1	
Enclosure			
design of the housing		design complying with EN 50041	
material of the enclosure		metal	
coating of the enclosure		painted	
design of the housing according to standard		Yes	
Drive Head			
design of the actuating element		plunger	
shape of the switch head		rounded	
outer diameter of the switch head		6 mm	
design of the switching function		positive opening	
circuit principle		snap-action contacts	
number of switching contacts safety-related		1	
Installation/ mounting/ dimensions			
fastening method		screw fixing	
Connections/ Terminals			
type of electrical connection		plug, 6-pole + PU, DIN 43651	
design of the interface for safety-related communication		without	
Communication/ Protocol			
design of the interface		without	
Approvals Certificates			
General Product Approval		Test Certificates	Maritime application
		other	
 CCC  Miscellaneous  PRS Confirmation Confirmation			
other		Environment	



[Environmental Con-
firmations](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3SE2120-1BV00-0AD1>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE2120-1BV00-0AD1>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE2120-1BV00-0AD1>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE2120-1BV00-0AD1&lang=en

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