



PREASSEMBLED COMBINATION WITH POSITION SWITCH METAL-SEALED, WITHOUT OPERATING HEAD SNAP-ACTION CONTACTS 1NO+1NC AND UNIT CONNECTOR 3SY3131, 6-POLE AND PE PIN ASSIGN.: PIN1=21, PIN2=22, PIN3=13, PIN4=14 NC=PIN1+2, NO=PIN3+4 PIN5 AND PIN6 NOT USED, PE CONNECTED

product designation	position switch		
suitability for use safety switch	Yes		
<b>General technical data</b>			
protection class IP	IP67		
reference code according to IEC 81346-2	B		
active principle	mechanical		
Substance Prohibitance (day/month/year)	07/01/2006		
Net Weight	0.24 kg		
length of the sensor	117.8 mm		
width of the sensor	40 mm		
<b>Ambient conditions</b>			
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		
<b>Enclosure</b>			
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		
<b>Drive Head</b>			
design of the actuating element	without		
design of the switching function	positive opening		
circuit principle	snap-action contacts		
number of switching contacts safety-related	1		
<b>Installation/ mounting/ dimensions</b>			
fastening method	screw fixing		
<b>Connections/ Terminals</b>			
type of electrical connection	plug, 6-pole + PU, DIN 43651		
design of the interface for safety-related communication	without		
<b>Communication/ Protocol</b>			
design of the interface	without		
<b>Approvals Certificates</b>			
General Product Approval	Test Certificates	Maritime application	other
		<a href="#">Miscellaneous</a>	
		<a href="#">Confirmation</a>	<a href="#">Confirmation</a>
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=3SE2120-1AV00-0AD1>

**Cax online generator**

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE2120-1AV00-0AD1>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE2120-1AV00-0AD1>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE2120-1AV00-0AD1&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE2120-1AV00-0AD1&lang=en)

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