SIEMENS

Data sheet

3SE5242-0HC05-1AJ0



position switch plastic 50 mm increased corrosion protection device connection 2x (M20x 1.5) 1 NO/1 NC integrated (not replaceable) quick-action contacts, rounded plunger, functional at -40 °C shock and vibration test according to EN 61373, category 1B

product brand name		
	SIRIUS	
product designation	Mechanical position switches	
product type designation	3SE5	
suitability for use safety switch	Yes	
General technical data		
product function positive opening	Yes	
insulation voltage rated value	400 V	
degree of pollution	class 3	
surge voltage resistance rated value	6 kV	
protection class IP	IP66/IP67	
shock resistance		
 according to IEC 60068-2-27 	30g / 11 ms	
 for railway applications according to EN 61373 	Category 1, Class B	
vibration resistance		
 according to IEC 60068-2-6 	0.35 mm/5g	
 for railway applications according to EN 61373 	Category 1, Class B	
mechanical service life (operating cycles) typical	15 000 000	
electrical endurance (operating cycles) at AC-15 at 230 V typical	100 000	
thermal current	10 A	
material of the enclosure of the switch head	plastic	
reference code according to IEC 81346-2	В	
continuous current of the C characteristic MCB	1 A; for a short-circuit current smaller than 400 A	
continuous current of the quick DIAZED fuse link	10 A; for a short-circuit current smaller than 400 A	
continuous current of the DIAZED fuse link gG	6 A	
active principle	mechanical	
repeat accuracy	0.05 mm	
Substance Prohibitance (Date)	07/01/2006	
minimum actuating force in directions of actuation	20 N	
length of the sensor	60.7 mm	
width of the sensor	50 mm	
Ambient conditions		
ambient temperature		
during operation	-40 +85 °C	
during storage	-40 +90 °C	
explosion protection category for dust	none	
design of the switching contact	mechanical	
operating frequency rated value	50 60 Hz	
number of NC contacts for auxiliary contacts	1	

design of the interface without Certificates/ approvals Functional Safety/Safety of Ma- chinery				
• al 120 Yraidd value 0 A • al 240 Yraidd value 0 A • al 240 Yraidd value 0 A • ar 240 Yraidd value 0 A • al 240 Yraidd value 0 A • al 240 Yraidd value 0 S A • 1125 Yraidd value 0 S A • 124 Yraidd value 0 S A • 124 Yraidd value 0 S A • 2100 Yraidd value 0 J2 A Endoarus Dialse • 2000 Yraidd value 0 J2 A Endoarus Dialse • 2010 Yraidd value 0 J2 A Endoarus Dialse • 2010 Yraidd value 0 J2 A • 2010 Yraidd value 1 • 2010 Yraidd value 1 (M2 D x L5) • 2010 Yraidd value	operational current at AC-15			
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	• at 400 V rated value	4 A		
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	at 24 V rated value	3 A		
e at 400 V rated value 0.12 A Enclosure 0.000 V rated value 0.000 V. wide 0.000 V. W	• at 125 V rated value			
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	Siemens is working on the renewal of the current EAC certific	cates		

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).

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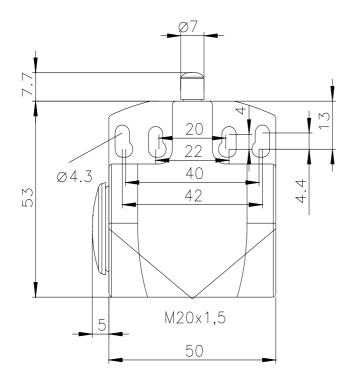
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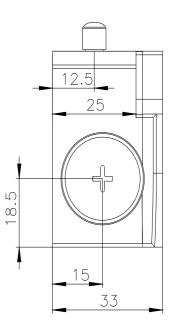
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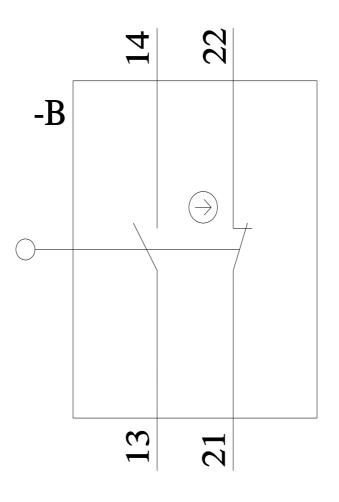
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