SIEMENS

Data sheet 3SE5242-0FC05



position switch plastic enclosure 50 mm, device connection 2 x (M20 x 1.5) 1 NO/1 NC quick-action contacts short stroke integrated rounded plunger

product brand name	SIRIUS		
product designation	Mechanical position switches		
product type designation	3SE5		
manufacturer's article number			
 of the supplied empty enclosure with cover 	3SE5242-0AC05		
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		
vibration resistance			
• according to IEC 60068-2-6	0.35 mm/5g		
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 	-25 +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		
number of NO contacts for auxiliary contacts	1		

operational current at AC-15			
• at 24 V rated value	6 A		
• at 120 V rated value	6 A		
• at 240 V rated value	6 A		
at 400 V rated value	4 A		
operational current at DC-13			
• at 24 V rated value	3 A		
• at 125 V rated value	0.55 A		
• at 250 V rated value	0.27 A		
• at 400 V rated value	0.12 A		
Enclosure			
design of the housing	block, wide		
material of the enclosure	plastic		
coating of the enclosure	Other types		
design of the housing according to standard	No		
Drive Head			
design of the actuating element	Rounded plunger, plastic plunger		
standard-compliant actuator head	EN 50047, design B		
shape of the switch head	rounded		
design of the switching function	positive opening, short-stroke, integrated		
circuit principle	snap-action contacts		
number of switching contacts safety-related	1		
cable entry type	2x (M20 x 1.5)		
Installation/ mounting/ dimensions			
mounting position	any		
fastening method	screw fixing		
Connections/ Terminals			
type of electrical connection	screw-type terminals		
type of connectable conductor cross-sections			
• 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)		
 for AWG cables solid 	1x (20 16), 2x (20 18)		
for AWG cables stranded	1x (20 16), 2x (20 18)		
design of the interface for safety-related communication	without		
Communication/ Protocol			
design of the interface	without		
Certificates/ approvals			

General Product Approval



Confirmation





<u>KC</u>



Functional Safety/Safety of Machinery Declaration of Conformity	Test Certificates	other
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Type Examination Certificate





Type Test Certificates/Test Report

Confirmation

Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

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).

Information on the packaging

emens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

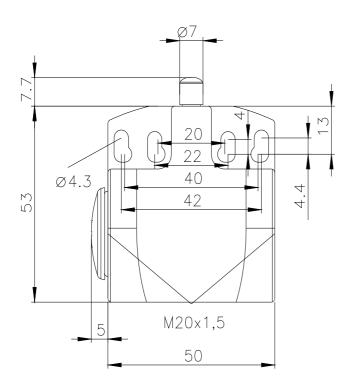
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5242-0FC05

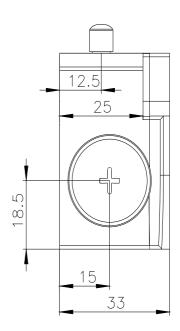
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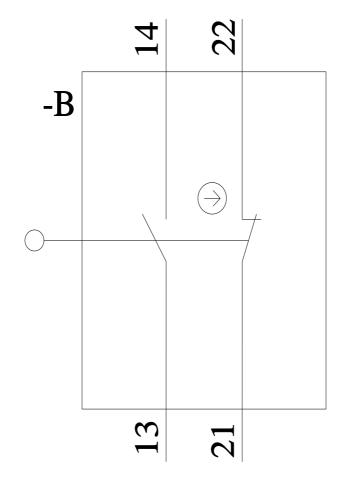
 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SE5242-0FC05}$

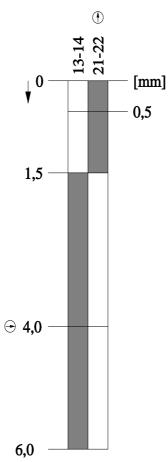
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SE5242-0FC05

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5242-0FC05&lang=en









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