SIEMENS

Data sheet 3SE5242-0MC05



position switch plastic enclosure according to EN 50047, 50 mm device connection 2 x (M20 x 1.5) 1 NO/2 NC slow-action contacts with makebefore-break rounded plunger

product brand name product designation product type designation manufacturer's article number

- of the supplied switching contacts
- of the supplied empty enclosure with cover

suitability for use safety switch

SIRIUS

Mechanical position switches

3SE5000-0MA00

Yes

Yes product function positive opening insulation voltage rated value 250 V class 3 degree of pollution 4 kV surge voltage resistance rated value protection class IP shock resistance • according to IEC 60068-2-27

vibration resistance

• according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical

electrical endurance (operating cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical

Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026

thermal current

material of the enclosure of the switch head reference code according to IEC 81346-2 continuous current of the C characteristic MCB continuous current of the quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle

repeat accuracy

Substance Prohibitance (Date)

minimum actuating force in directions of actuation length of the sensor

width of the sensor **Ambient conditions**

ambient temperature

3SE5242-0AC05

IP66/IP67

30g / 11 ms

0.35 mm/5g 15 000 000 100 000

10 000 000

6 000

10 A plastic

1 A; for a short-circuit current smaller than 400 A 10 A; for a short-circuit current smaller than 400 A

6 A mechanical 0.05 mm

07/01/2006 20 N 60.7 mm 50 mm

 during operation -25 ... +85 °C -40 ... +90 °C • during storage explosion protection category for dust none

operating frequency rated value number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts operational current at AC-15 • at 24 V rated value • at 120 V rated value • at 240 V rated value operational current at DC-13 • at 250 V rated value • O.27 A • at 260 V rated value • O.12 A Enclosure design of the housing material of the enclosure coating of the enclosure design of the housing according to standard Drive Head design of the actuating element standard-compliant actuator head shape of the switch head design of the switching function circuit principle number of switching contacts safety-related cable entry type [Installation/ mounting/ dimensions] mounting position fastening method any fastening method screw fixing	design of the switching contact	mechanical
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cable entry type 2x (M20 x 1.5) Installation/ mounting/ dimensions mounting position any	circuit principle	slow-action contacts
Installation/ mounting/ dimensions mounting position any	number of switching contacts safety-related	2
mounting position any	cable entry type	2x (M20 x 1.5)
·	Installation/ mounting/ dimensions	
fastening method screw fixing	mounting position	any
-	fastening method	screw fixing
Connections/ Terminals	Connections/ Terminals	
type of electrical connection screw-type terminals	type of electrical connection	screw-type terminals
type of connectable conductor cross-sections	type of connectable conductor cross-sections	
• solid 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)	• 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 with core end processing 	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)
• at AWG cables solid 1x (20 16), 2x (20 18)	 at AWG cables solid 	1x (20 16), 2x (20 18)
• at AWG cables stranded 1x (20 16), 2x (20 18)	 at AWG cables stranded 	1x (20 16), 2x (20 18)
design of the interface for safety-related communication without	design of the interface for safety-related communication	without
Communication/ Protocol	Communication/ Protocol	
design of the interface without	design of the interface	without
Certificates/ approvals		

General Product Approval



Confirmation









Functional Safety/Safety of Machinery

Declaration of Conformity

Test Certificates

other

Type Examination Certificate





Type Test Certificates/Test Report

Confirmation

Further information

Information- and Downloadcenter (Catalogs, Brochures,...) https://www.siemens.com/ic10

Industry Mall (Online ordering system)

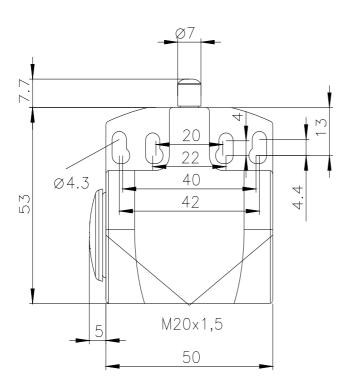
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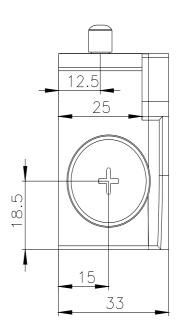
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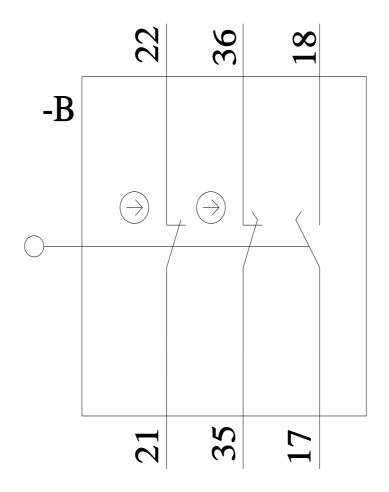
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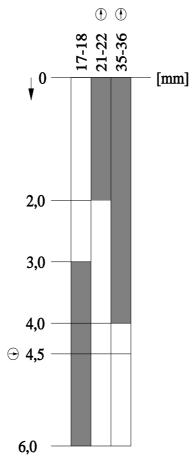
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SE5242-0MC05

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3SE5242-0MC05&lang=en









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