SIEMENS

Data sheet 3SE5413-0CQ20-1EA2



Position switch in compact design 30 mm wide with connection cable 2 m
Snap-action contacts 1 NO+1 NC Twist lever, adjustable length

product brand name	SIRIUS
product designation	Mechanical position switches
product type designation	3SE5
suitability for use safety switch	No
General technical data	
product function positive opening	No
insulation voltage rated value	300 V
degree of pollution	3
protection class IP	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 (switching cycles) typical	5 000 000
electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical	500 000
Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026	1 800
thermal current	10 A
material of the enclosure of the switch head	metal
reference code according to IEC 81346-2	B
active principle	mechanical
repeat accuracy	0.05 mm
Substance Prohibitance (Date)	07/01/2006
minimum actuating torque in directions of actuation	0.2 N·m
length of the sensor	145 mm
width of the sensor	30 mm
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 125 V rated value	3 A
● at 230 V rated value	3 A
operational current at DC-13	
● at 125 V rated value	0.27 A
● at 230 V rated value	0.27 A
design of the interface for safety-related communication	without
Enclosure	

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design of the housing	block
material of the enclosure	metal
coating of the enclosure	painted
design of the housing according to standard	No
material of cable sheath	PVC
Drive Head	
design of the actuating element	Metal lever, adjustable length, metal roller 18 mm
shape of the switch head	lever
design of the switching function	snap-action contact
circuit principle	snap-action contacts
number of switching contacts safety-related	1
Connections/ Terminals	
type of electrical connection	cable, 5 x 0.75mm²
Communication/ Protocol	
design of the interface	without
Ambient conditions	
ambient temperature	
• during operation	-25 ... +80 °C
• during storage	-25 ... +80 °C
explosion protection category for dust	none
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing
Certificates/ approvals	
General Product Approval	

Confirmation

Declaration of Conformity	other

Confirmation

Further information

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=3SE5413-0CQ20-1EA2
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5413-0CQ20-1EA2
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SE5413-0CQ20-1EA2
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5413-0CQ20-1EA2&lang=en

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