SIEMENS

Data sheet 3SE5234-0HR01-1AC4

Position switch Plastic enclosure according to EN 50047, 31 mm 1 NO/1 NC quick action contacts integrated (not replaceable) with M12 connector, 4-pole Pin assignment: Pin1=21, Pin2=22 Pin3=13, Pin4=14 for max. 250 V and 4 A with spring rod length 142.5 mm

product brand name	SIRIUS
product designation	Mechanical position switches
product type designation	3SE5
manufacturer's article number	
● of the supplied actuator head for position switches	3SE5000-0AR01
suitability for use safety switch	No
General technical data	
product function positive opening	No
insulation voltage rated value	250 V
degree of pollution	class 3
surge voltage resistance rated value	3 kV
protection class IP	IP65
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	10 000 000
electrical endurance (switching cycles) at AC-15 at 230 V typical	100 000
Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026	6 000
thermal current	4 A
material of the enclosure of the switch head	plastic
reference code according to IEC 81346-2	B
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	4 A; for a short-circuit current smaller than 400 A
continuous current of the DIAZED fuse link gG	4 A
active principle	mechanical
repeat accuracy	0.05 mm
Substance Prohibitance (Date)	07/01/2006
minimum actuating torque in directions of actuation	0.25 N·m
length of the sensor	224.3 mm
width of the sensor	31 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 24 V rated value	4 A

● at 125 V rated value	4 A
● at 240 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
design of the interface for safety-related communication	without
Enclosure	
design of the housing	block, narrow
material of the enclosure	plastic
coating of the enclosure	Other types
design of the housing according to standard	Yes
Drive Head	
design of the actuating element	Spring rod, compl. Length = 142.5 mm (spring 50 mm + plastic plunger 50 mm)
standard-compliant actuator head	EN 50047
circuit principle	snap-action contacts
number of switching contacts safety-related	0
Connections/ Terminals	
type of electrical connection	M12 plug, fixed
cable entry type	M12 plug
design of plug-in connection	M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14
Communication/ Protocol	
design of the interface	without
Ambient conditions	
ambient temperature	
● during operation	-25 ... +85 °C
● during storage	-40 ... +85 °C
explosion protection category for dust	none
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing
Certificates/ approvals	

General Product Approval

Confirmation

Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates	other
Type Examination Certificate		Type Test Certific-ates/Test Report	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=3SE5234-0HR01-1AC4
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5234-0HR01-1AC4
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SE5234-0HR01-1AC4
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5234-0HR01-1AC4&lang=en

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