

magnetically operated switch contact block 25 x 88 mm, 1 NO+2 NC with 3 m connection cable LIYY, 6 x 0.25 mm² required solenoid 3SE6704-2BA

product brand name	SIRIUS
product designation	Magnetically operated switch
design of the product	Rectangular sensor unit
product type designation	3SE66
suitability for use safety-related circuits	Yes
General technical data	
product function	
• positive opening	No
• cross-circuit/short-circuit recognition	Yes
type of voltage of the operating voltage	AC/DC
protection class IP	IP67
shock resistance according to IEC 60068-2-27	Sinusoidal half-wave 30 g / 11 ms
vibration resistance according to IEC 60068-2-6	10 ... 55 Hz: 1 mm
reference code according to IEC 81346-2	S
Substance Prohibitance (day/month/year)	07/01/2006
Net Weight	0.191 kg
height of the sensor	13 mm
length of the sensor	88 mm
width of the sensor	25 mm
material of the active sensor area	Plastic, glass-fiber reinforced thermoplastic
Ambient conditions	
ambient temperature during operation	-25 ... +70 °C
Control circuit/ Control	
type of voltage	AC/DC
operating voltage rated value	100 V
operational current rated value	250 mA
operating power rated value	3 W
number of NC contacts for auxiliary contacts	2
number of NO contacts for auxiliary contacts	1
Enclosure	
design of the housing	block
material of the enclosure	Plastic, glass-fiber reinforced thermoplastic
material of cable sheath	PVC
Actuator	
design of the actuating element	magnet
Display	
evaluation unit required	yes
Contact	
circuit principle	reed switches
switching frequency	5 Hz
assured operating distance OFF	15 mm
assured operating distance ON	5 mm
design of the switching function	NC contact and NO contact
Installation/ mounting/ dimensions	
fastening method	screw fixing
Connections/ Terminals	
type of electrical connection	cable
wire length	3 m
Inputs/ Outputs	

type of switching output	Reed contacts
Safety related data	
category according to EN 954-1	4
ISO 13849	
performance level (PL) according to EN ISO 13849-1	e
IEC 61508	
Safety Integrity Level (SIL) according to IEC 61508	3

Approvals Certificates

General Product Approval				EMV	Functional Safety
					Miscellaneous

other	Environment	
Confirmation		Environmental Confirmations

Further information

Information on the packaging
<https://support.industry.siemens.com/cs/ww/en/view/109813875>
Information for data generation and storage
<https://support.industry.siemens.com/cs/ww/en/view/109995012>
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=3SE6606-2BA04>
Cax online generator
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6606-2BA04>
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3SE6606-2BA04>
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6606-2BA04&lang=en

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