



contact-free safety switch RFID rectangular 106 mm x 25 mm individually coded, single teach-in, with M12 plug 8-pole and magnet latching 18 N. order actuator separately: 3SE6310-1BC01

product brand name	SIRIUS
product designation	RFID safety switch
design of the product	Rectangular sensor unit
product type designation	3SE63
suitability for use safety-related circuits	Yes

General technical data

product function	No
<ul style="list-style-type: none"> positive opening cross-circuit/short-circuit recognition 	Yes
product feature	individually coded, learnable once, with magnet latching
type of voltage of the operating voltage	DC
protection class IP	IP65, IP67, IP69k
shock resistance according to IEC 60068-2-27	Sinusoidal half-wave 30g / 11 ms
vibration resistance according to IEC 60068-2-6	10 ... 55 Hz: 1 mm
Substance Prohibitance (Date)	07/01/2006
height of the sensor	22 mm
length of the sensor	106 mm
width of the sensor	25 mm
material of the active sensor area	plastic
mechanical installation condition for sensor	flush installation possible

Ambient conditions

ambient temperature during operation	-25 ... +70 °C
--------------------------------------	----------------

Control circuit/ Control

type of voltage	DC
operating voltage rated value	24 V
operational current rated value	600 mA

Enclosure

material of the enclosure	plastic
material of cable sheath	PVC

Actuator

design of the actuating element	RFID
---------------------------------	------

Display

evaluation unit required	yes
--------------------------	-----

Contact

switching frequency	1 Hz
operating distance	12 mm
assured operating distance OFF	16 mm
assured operating distance ON	10 mm
design of the switching function	positive switching
number of switching contacts for signaling function	

• safety-related	1			
Installation/ mounting/ dimensions				
fastening method	screw fixing			
Connections/ Terminals				
type of electrical connection	M12 plug, 8-pole			
wire length maximum	30 m			
Supply voltage				
supply voltage	26.4 ... 20.4 V			
Inputs/ Outputs				
output current	0.5 mA			
output current at safety-related output maximum	0.3 A			
design of the interface for safety-related communication	connector M12			
transmission frequency rated value	125 kHz			
Safety related data				
Safety Integrity Level (SIL) according to IEC 61508	3			
performance level (PL) according to EN ISO 13849-1	e			
category according to EN 954-1	4			
Certificates/ approvals				
General Product Approval	EMC	Functional Safety/Safety of Machinery	Declaration of Conformity	other



[Type Examination Certificate](#)



[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=3SE6315-1BB03-1AP0>

Cax online generator

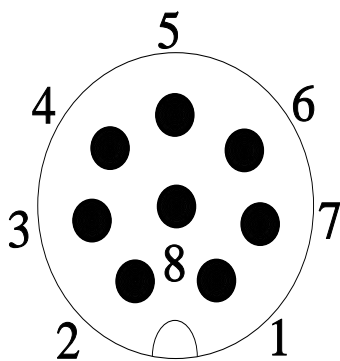
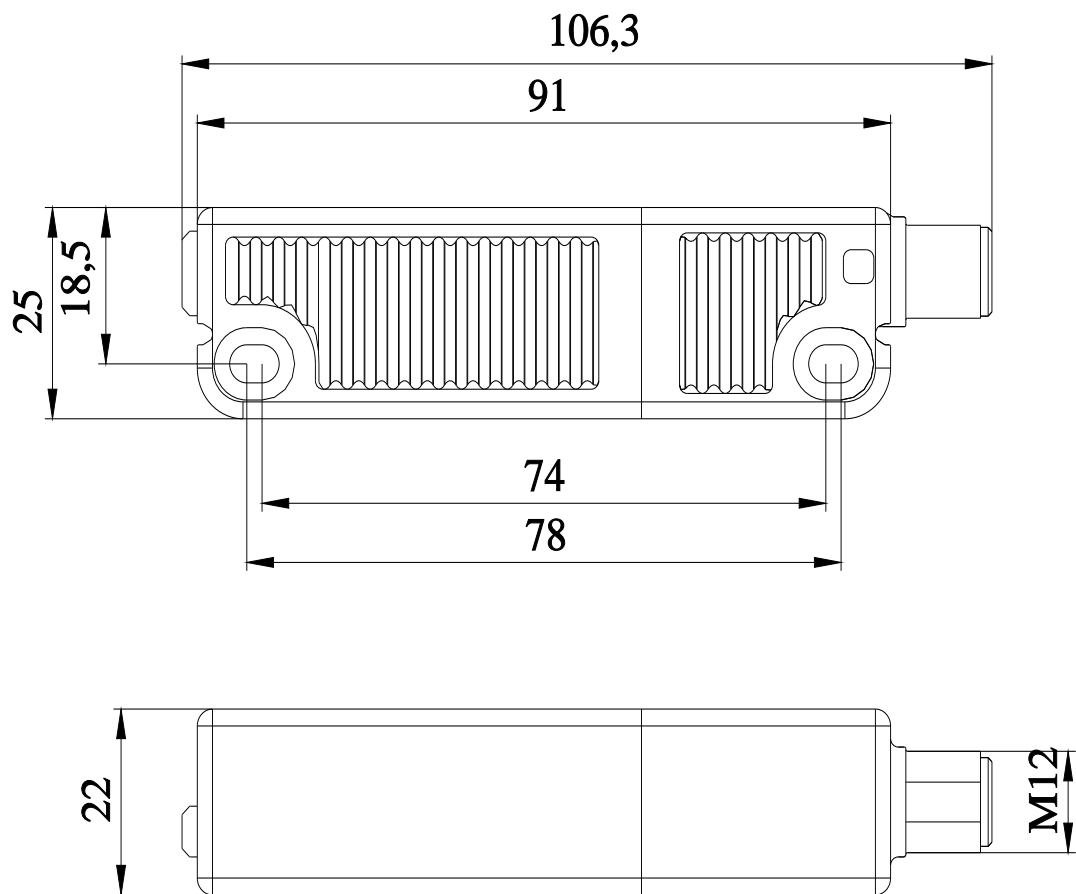
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6315-1BB03-1AP0>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SE6315-1BB03-1AP0>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6315-1BB03-1AP0&lang=en



1	WH = White	→	A1
2	BN = Brown	→	X1
3	GN = Green	→	A2
4	YE = Yellow	→	OSSD1
5	GY = Grey	→	OUT
6	PK = Pink	→	X2
7	BU = Blue	→	OSSD2
8	RD = Red	→	n. c.

