

Data sheet

3SE7160-1BD00-0AS1

Safety cable-operated switch Metal enclosure, 2 x M25 x 1.5 1 NO/1 NC, Red LED, 115 V AC, with latching according to EN ISO 13850	
product brand name	SIRIUS
product designation	cable-operated switch
product type designation	3SE7
General technical data	
product function EMERGENCY STOP function	Yes
product component light source	Yes
insulation voltage rated value	400 V
degree of pollution	class 3
surge voltage resistance rated value	6 kV
protection class IP	IP65
mechanical service life (operating cycles) typical	100 000
thermal current	6 A
reference code according to IEC 81346-2	S
continuous current of the DIAZED fuse link gG	6 A
Substance Prohibitance (Date)	07/01/2006
Net Weight	0.865 kg
Ambient conditions	
ambient temperature during operation	-25 ... +70 °C
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	1
operational current at AC-15	
• at 240 V rated value	6 A
• at 400 V rated value	6 A
operational current at DC-13	
• at 24 V rated value	3 A
• at 250 V rated value	0.27 A
Enclosure	
material of the enclosure	metal
material of the enclosure cover	Plastic
product component EMERGENCY STOP device	No
color	
• of the enclosure	black
• of the enclosure top part	grey
coating of the enclosure	painted
Display	
product function status display	No
Lamp	
color of the light source	red
circuit principle	Jump function
material of the contact	Silver
number of switching contacts safety-related	1
cable entry type	2x M25 x 1,5
Installation/ mounting/ dimensions	
fastening method	screw fixing
height	105 mm
width	131 mm
depth	99 mm
Connections/ Terminals	
type of electrical connection	screw terminal

type of connectable conductor cross-sections					
• solid	2x (0.5 ... 2.5 mm ²)				
• finely stranded with core end processing	2x (0.5 ... 2.5 mm ²)				
• for AWG cables solid	2x (20 ... 14)				
• for AWG cables stranded	2x (20 ... 14)				
Supply voltage					
type of voltage of the supply voltage of the light source	AC				
supply voltage 1 of the light source at AC at 50 Hz rated value	115 V				
relative negative tolerance of the supply voltage	-15 %				
relative positive tolerance of the supply voltage	10 %				
Safety related data					
proportion of dangerous failures with high demand rate according to SN 31920	50 %				
B10 value with high demand rate according to SN 31920	100 000				
Approvals Certificates					
General Product Approval	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=3SE7160-1BD00-0AS1>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE7160-1BD00-0AS1>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE7160-1BD00-0AS1>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE7160-1BD00-0AS1&lang=en

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