



EMERGENCY STOP mushroom pushbutton, illuminable, 22 mm, round, metal, shiny, red, 40 mm, positive latching, acc. to EN ISO 13850, rotate-to-unlatch

product brand name	SIRIUS ACT
product designation	EMERGENCY STOP mushroom pushbuttons
design of the product	Actuating/signaling element
product type designation	3SU1
product line	Metal, shiny, 22 mm

Enclosure

number of command points	1
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Actuator

design of the actuating element	positive latching
principle of operation of the actuating element	latching
product extension optional	
• light source	Yes
• contact module	Yes
color	
• of the actuating element	red
material of the actuating element	plastic
shape of the actuating element	round
outer diameter of the actuating element	40 mm
type of unlocking device	rotate-to-unlatch mechanism
number of switching positions	2

Front ring

product component front ring	No
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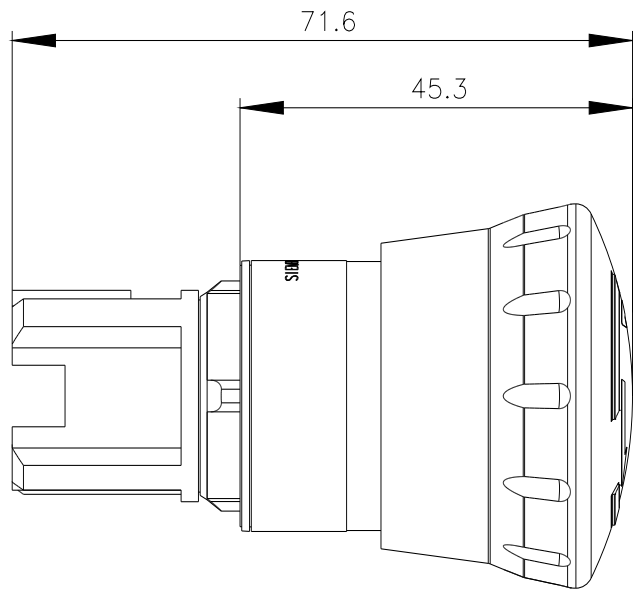
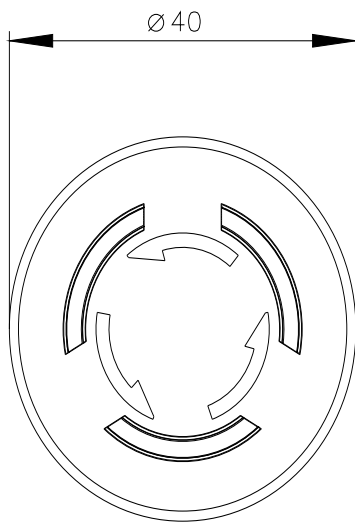
General technical data

product function	
• positive opening	Yes
• EMERGENCY OFF function	Yes
• EMERGENCY STOP function	Yes
protection class IP	IP66, IP67, IP69(IP69K)
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	
• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
vibration resistance	
• according to IEC 60068-2-6	10 ... 500 Hz: 5g
operating frequency maximum	600 1/h
mechanical service life (switching cycles) typical	300 000
reference code according to IEC 81346-2	S
Substance Prohibitance (Date)	10/01/2014

Safety related data

B10 value with high demand rate according to SN 31920	100 000
proportion of dangerous failures	
• with low demand rate according to SN 31920	20 %

● with high demand rate according to SN 31920		20 %
failure rate [FIT] with low demand rate according to SN 31920		100 FIT
Ambient conditions		
ambient temperature		
● during operation		-25 ... +70 °C
● during storage		-40 ... +80 °C
environmental category during operation according to IEC 60721		3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%)
Installation/ mounting/ dimensions		
shape of the installation opening		round
mounting diameter		22.3 mm
positive tolerance of installation diameter		0.4 mm
mounting height		45.3 mm
installation width		40 mm
installation depth		26.3 mm
Certificates/ approvals		
General Product Approval		Declaration of Conformity
 CSA Confirmation  UL  VDE  		
Declaration of Conformity	Test Certificates	Marine / Shipping
 EG-Konf.	Type Test Certificates/Test Report	Special Test Certificate
		 ABS  LRS  PRS
Marine / Shipping	other	
 RINA  RMRS	Environmental Confirmations	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=3SU1051-1HB20-0AA0		
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1051-1HB20-0AA0		
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1051-1HB20-0AA0		
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1051-1HB20-0AA0&lang=en		



last modified:

1/27/2022 