



Enclosure for command devices, 22 mm, round, enclosure material plastic, enclosure top part yellow, 1 control point, plastic, A=EMERGENCY STOP mushroom pushbutton red, 40 mm, rotate-to-unlatch, 1 NO, 1 NC, spring-type terminal, floor mounting, wired, without label, at bottom M12 connector 4-pole

product brand name	SIRIUS ACT
product designation	Enclosures
product type designation	3SU1
equipment of commanding and signaling device	A = EMERGENCY STOP mushroom pushbutton, 40 mm, with positive latching acc. to ISO 13850 and rotate-to-unlatch mechanism
manufacturer's article number	<ul style="list-style-type: none"> <li>• of supplied contact module at the command point A 1</li> <li>• of supplied contact module at the command point A 2</li> <li>• of the supplied holder at the command point A</li> <li>• of the supplied actuator at the command point A</li> <li>• of supplied empty enclosure</li> </ul> <a href="#">3SU1400-2AA10-3CA0</a> <a href="#">3SU1400-2AA10-3CA0</a> <a href="#">3SU1500-0AA10-0AA0</a> <a href="#">3SU1000-1HB20-0AA0</a> <a href="#">3SU1801-0AA00-0AA2</a>
<b>Enclosure</b>	
design of the housing	Command point in center
shape of the enclosure front	Square
material of the enclosure	plastic
number of command points	1
product component	<ul style="list-style-type: none"> <li>• EMERGENCY STOP device</li> <li>• protective collar</li> </ul>
color of the enclosure top part	yellow
delivery state	<ul style="list-style-type: none"> <li>• as a kit</li> <li>• pre-wired on strip terminal</li> </ul>
fastening method of the enclosure	Vertical
<b>Actuator</b>	
design of the actuating element	EMERGENCY STOP mushroom pushbutton
suitability for use EMERGENCY OFF switch	Yes
product feature lockout	No
product extension optional light source	No
color of the actuating element	red
material of the actuating element	plastic
shape of the actuating element	round
number of contact modules	2
type of unlocking device	A = rotate-to-unlatch mechanism
<b>Front ring</b>	
product component front ring	No

<b>design of the front ring</b>	Standard
<b>Holder</b>	
<b>material of the holder</b>	Plastic
<b>Display</b>	
<b>number of LED modules</b>	0
<b>General technical data</b>	
<b>product function</b>	
• positive opening	Yes
• EMERGENCY OFF function	Yes
• EMERGENCY STOP function	Yes
<b>protection class IP</b>	IP66, IP67, IP69(IP69K)
<b>degree of protection NEMA rating</b>	1, 2, 3, 3R, 4, 4X, 12, 13
<b>shock resistance</b>	
• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
<b>vibration resistance</b>	
• according to IEC 60068-2-6	10 ... 500 Hz: 5g
<b>reference code according to IEC 81346-2</b>	S
<b>continuous current of the C characteristic MCB</b>	10 A; for a short-circuit current smaller than 400 A
<b>continuous current of the quick DIAZED fuse link</b>	10 A
<b>continuous current of the DIAZED fuse link gG</b>	10 A
<b>Substance Prohibitance (Date)</b>	10/01/2014
<b>SVHC substance name</b>	Lead - 7439-92-1
<b>Net Weight</b>	396 g
<b>operating voltage</b>	
• at AC	
— at 50 Hz rated value	5 ... 500 V
— at 60 Hz rated value	5 ... 500 V
• at DC rated value	5 ... 500 V
<b>cable entry type</b>	M12 plug, 4-pole
<b>Communication/ Protocol</b>	
<b>design of the interface for communication</b>	without
<b>Auxiliary circuit</b>	
<b>design of the contact of auxiliary contacts</b>	Silver alloy
<b>number of NC contacts for auxiliary contacts</b>	2
<b>number of NO contacts for auxiliary contacts</b>	0
<b>Connections/ Terminals</b>	
<b>type of electrical connection of modules and accessories</b>	Spring-type terminal
<b>type of electrical connection on enclosure</b>	M12 connector, 4-pole
<b>tightening torque of the screws in the bracket</b>	1 ... 1.2 N·m
<b>tightening torque of fixing screws in the enclosure cover</b>	1.5 ... 1.7 N·m
<b>Safety related data</b>	
<b>product function suitable for safety function</b>	Yes
<b>test wear-related service life necessary</b>	Yes
<b>proportion of dangerous failures</b>	
• with low demand rate according to SN 31920	20 %
• with high demand rate per NC contact according to SN 31920	20 %
<b>B10 value with high demand rate according to SN 31920</b>	100 000
<b>failure rate [FIT] with low demand rate per NC contact according to SN 31920</b>	100 FIT
<b>ISO 13849</b>	
<b>device type according to ISO 13849-1</b>	3
<b>IEC 61508</b>	
<b>safety device type according to IEC 61508-2</b>	Type A
<b>T1 value for proof test interval or service life according to IEC 61508</b>	20 a
<b>Ambient conditions</b>	
<b>ambient temperature</b>	
• during operation	-25 ... +70 °C

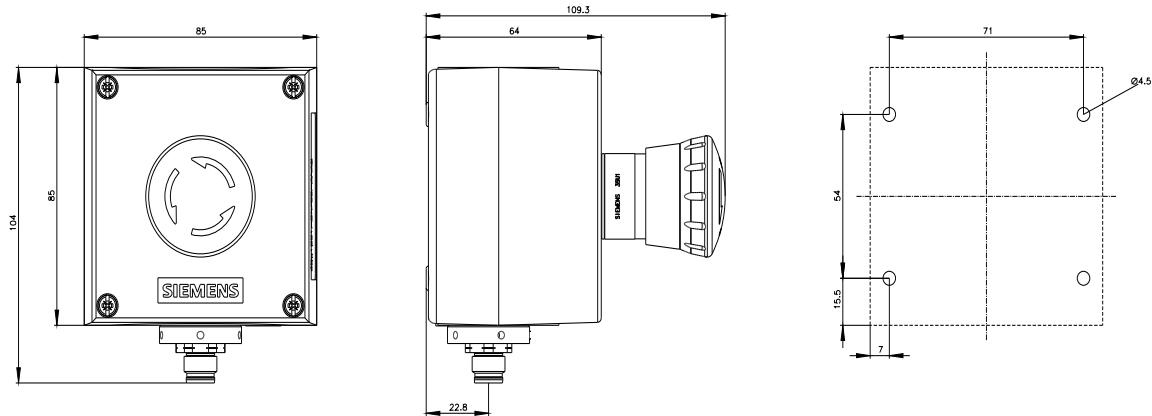
• during storage	-40 ... +80 °C
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted for all devices behind front panel)
<b>Environmental footprint</b>	
Environmental Product Declaration(EPD)	Yes
global warming potential [CO <sub>2</sub> eq] total	0.787 kg
global warming potential [CO <sub>2</sub> eq] during manufacturing	0.566 kg
global warming potential [CO <sub>2</sub> eq] during operation	0.235 kg
global warming potential [CO <sub>2</sub> eq] after end of life	-0.015 kg
<b>Installation/ mounting/ dimensions</b>	
fastening method of modules and accessories	Floor mounting
<b>height</b>	89.4 mm
<b>width</b>	85 mm
<b>depth</b>	109 mm
shape of the installation opening	round
<b>Accessories</b>	
number of labels	1
number of inscription plates	0
<b>Approvals Certificates</b>	
<b>General Product Approval</b>	



Test Certificates	Maritime application	other
<a href="#">Type Test Certificates/Test Report</a>		

other	Environment
<a href="#">Confirmation</a>	

<b>Further information</b>
Information on the packaging <a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a>
Information for data generation and storage <a href="https://support.industry.siemens.com/cs/ww/en/view/109995012">https://support.industry.siemens.com/cs/ww/en/view/109995012</a>
Information- and Downloadcenter (Catalogs, Brochures,...) <a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a>
Industry Mall (Online ordering system) <a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1801-0NF00-4NA2">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1801-0NF00-4NA2</a>
Cax online generator <a href="https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1801-0NF00-4NA2">https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1801-0NF00-4NA2</a>
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) <a href="https://support.industry.siemens.com/cs/ww/en/ps/3SU1801-0NF00-4NA2">https://support.industry.siemens.com/cs/ww/en/ps/3SU1801-0NF00-4NA2</a>
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1801-0NF00-4NA2&amp;lang=en">https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1801-0NF00-4NA2&amp;lang=en</a>



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