SIEMENS

Data sheet

3SU1100-1HB20-1FH0

HOT-HALL	EMERGENCY STOP mushroom-type actuator, 22 mm, round, plastic, red, 40 mm, positive latching, according to EN ISO 13850, rotate-to-unlatch, with yellow backing plate, inscription: NOT-HALT, with holder, 1 NO+1 NC, screw terminal
and the first data and	
product brand name	SIRIUS ACT
product designation	EMERGENCY STOP mushroom pushbuttons
design of the product	Complete unit
product type designation	3SU1
product line	Plastic, black, 22 mm
manufacturer's article number	
of supplied contact module at position 1	<u>3SU1400-1AA10-1FA0</u>
of the supplied holder	<u>3SU1550-0AA10-0AA0</u>
of the supplied actuator	<u>3SU1000-1HB20-0AA0</u>
of supplied accessory	<u>3SU1900-0BC31-0AT0</u>
Enclosure	
number of command points	1
Actuator	
design of the actuating element	positive latching
principle of operation of the actuating element	latching
product extension optional light source	No
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
number of contact modules	1
type of unlocking device	rotate-to-unlatch mechanism
Front ring	
product component front ring	No
Holder	
material of the holder	Plastic
Display	
number of LED modules	0
General technical data	
product function	
positive opening	Yes
EMERGENCY OFF function	Yes
 EMERGENCY STOP function 	Yes
product component light source	No
insulation voltage rated value	500 V
degree of pollution	3
type of voltage of the operating voltage	AC/DC
surge voltage resistance rated value	6 kV
protection class IP	IP66, IP67, IP69(IP69K)
 of the terminal 	IP20, clamping screw tightened
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				
 for railway applications according to EN 61373 	Category 1, Class B				
vibration resistance					
 according to IEC 60068-2-6 	10 500 Hz: 5g				
 for railway applications according to EN 61373 	Category 1, Class B				
operating frequency maximum	600 1/h				
mechanical service life (switching cycles) typical	300 000				
electrical endurance (switching cycles) typical	300 000				
thermal current	10 A				
reference code according to IEC 81346-2	S				
continuous current of the C characteristic MCB	10 A; for a short-circuit current smaller than 400 A				
continuous current of the quick DIAZED fuse link	10 A				
continuous current of the DIAZED fuse link gG	10 A				
Substance Prohibitance (Date)	10/01/2014				
operating voltage	10/01/2014				
• at AC					
	5 500.)/				
— at 50 Hz rated value	5 500 V				
— at 60 Hz rated value	5 500 V				
at DC rated value	5 500 V				
Power Electronics					
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10				
	million (5 V, 1 mA)				
Auxiliary circuit					
design of the contact of auxiliary contacts	Silver alloy				
number of NC contacts for auxiliary contacts	1				
number of NO contacts for auxiliary contacts	1				
Connections/ Terminals					
type of electrical connection					
of modules and accessories	Screw-type terminal				
type of connectable conductor cross-sections	Screw-type terminal				
	$2 \times (0.5 - 0.75 \text{ mm}^2)$				
 solid with core end processing 	$2x (0.5 \dots 0.75 \text{ mm}^2)$				
solid without core end processing	$2x (1.0 \dots 1.5 \text{ mm}^2)$				
 finely stranded with core end processing 	2x (0.5 1.5 mm ²)				
 finely stranded without core end processing 	2x (1,0 1,5 mm ²)				
at AWG cables	2x (18 14)				
tightening torque of the screws in the bracket	1 1.2 N·m				
tightening torque for auxiliary contacts with screw-type terminals	0.8 0.9 N·m				
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	100 FIT				
31920					
Ambient conditions					
ambient temperature					
 during operation 	-25 +70 °C				
during storage	-40 +80 °C				
environmental category during operation according to IEC	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no				
60721	condensation in operation permitted for all devices behind front panel)				
Installation/ mounting/ dimensions					
fastening method	front plate mounting				
 of modules and accessories 	Front plate mounting				
height	40 mm				
width	30 mm				
shape of the installation opening	round				
mounting diameter	22.3 mm				
positive tolerance of installation diameter	0.4 mm				
-					
mounting height	46.4 mm				
installation width	75 mm				
installation depth	70.6 mm				

ccessories number of backing plates 1 marking of backing plate EMERGENCY-ST color of backing plate Yellow					
Certificates/ approval General Product Ap		_	_	_	Declaration of Conformity
SP.	Confirmation	(CCC)	(J) UI	EAC	Comornity C C EG-Konf.
Declaration of Conformity	Test Certificates		Marine / Shipping		
UK CA	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	ABS	Lloyds Register urs	PRS
Marine / Shipping		other			
RINA	RMRS RMRS	Confirmation	Environmental Con- firmations		
Further information Information- and Do https://www.siemens.	wnloadcenter (Catalo	ogs, Brochures,)			

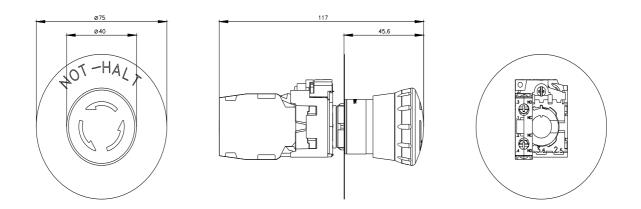
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1100-1HB20-1FH0

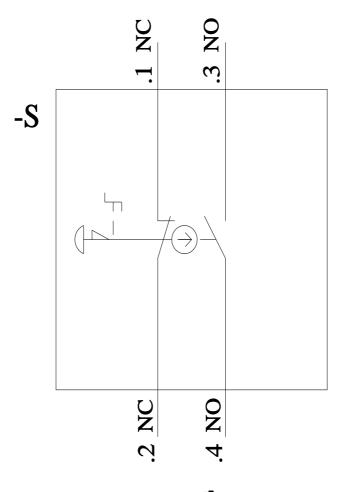
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-1HB20-1FH0

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1HB20-1FH0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-1HB20-1FH0&lang=en







1/27/2022 🖸