

Reference: 3SU1002-2BF20-0AA0

SELECTOR SWITCH, CAN BE ILLUM.,
22MM, ROUND, PLASTIC, RED, SHORT
SELECTOR SWITCH, 2 SWITCH
POSITIONS O-I, LATCHING, ACTUATING
ANGLE 90 DEG., 10:30H/13:30H

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product brand name	SIRIUS ACT
Product designation	Control and signaling units
Design of the product	Selector switch
Enclosure:	
Number of command points	1
Actuator:	
Design of the operating mechanism	Selector switch, short black handle
Manner of function of the actuating element	maintained, 90° (10:30h/13:30h)
Product extension optional Light source	Yes
Color of the actuating element	Red
Material of the actuating element	plastic
Shape of the actuating element	Handle
Outer diameter of the actuating element	32.3 mm
Number of switching positions	2
Actuating angle	
clockwise	90°
Front ring:	
Product component front ring	Yes
Design of the front ring	standard
Material of the front ring	plastic
Color of the front ring	black

General technical data:	
Protection class IP	IP66, IP67, IP69(IP69K)
Degree of protection NEMA rating	NEMA 1, 2, 3, 3R, 4, 4X, 12
Shock resistance	
acc. to IEC 60068-2-27	Sinusoidal half-wave 50 g / 11 ms
for railway applications acc. to DIN EN 61373	Category 1, Class B
Vibration resistance	
acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
for railway applications acc. to DIN EN 61373	Category 1, Class B
Operating frequency maximum	1 800 1/h
Mechanical service life (switching cycles)	
typical	1 000 000
Equipment marking	
acc. to DIN EN 61346-2	S
acc. to DIN EN 81346-2	S
Safety related data:	
B10 value	
with high demand rate acc. to SN 31920	100 000
Proportion of dangerous failures	
with low demand rate acc. to SN 31920	20 %
with high demand rate acc. to SN 31920	20 %
Failure rate [FIT]	
with low demand rate acc. to SN 31920	100 FIT
T1 value for proof test interval or service life acc. to IEC 61508	20 y
Ambient conditions:	
Ambient temperature	
during operation	-25 ... +70 °C
during storage	-40 ... +80 °C
Environmental category during operation acc. to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95 %)
Installation/ mounting/ dimensions:	
Height	32.3 mm
Witd>	32.3 mm
Shape of the installation opening	round
Mounting diameter	22.3 mm
Positive tolerance of installation diameter	0.4 mm
Mounting height	28.8 mm
Installation witd>	32.3 mm

Installation depth

25.4 mm