

Reference: 3SU1100-2BL60-1NA0

SELECTOR SWITCH, CAN BE ILLUM.,
22MM, ROUND, PLASTIC, BLACK, WHITE,
SHORT SELECTOR SWITCH, 3 SWITCH
POSITIONS I-O-II, LATCHING,
10:30H/12H/13:30H, WITH HOLDER,
1NO, 1NO, SCREW TERMINAL

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product brand name	SIRIUS ACT
Product designation	Commanding and signaling devices
Design of the product	Selector switch
Manufacturer's article number	
of supplied contact module	3SU1400-1AA10-1BA0, 3SU1400-1AA10-1BA0
of the supplied holder	3SU1500-0AA10-0AA0
of the supplied actuator	3SU1002-2BL60-0AA0
Enclosure:	
Number of command points	1
Actuator:	
Design of the operating mechanism	Selector switch, short black handle
Manner of function of the actuating element	latching, 2x45° (10:30 h/12 h/13:30 h)
Product extension optional Light source	Yes
Color of the actuating element	White
Material of the actuating element	plastic
Shape of the actuating element	round
Outer diameter of the actuating element	32.3 mm
Number of contact modules	2
Number of switching positions	3
Actuating angle	
clockwise	45°

anticlockwise	45°
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
Holder:	
Material of the holder	Plastic
Display:	
Number of LED modules	0
General technical data:	
Product function	
positive opening	No
Product component	
Light source	No
Insulation voltage	
rated value	500 V
Degree of pollution	3
Surge voltage resistance rated value	6 kV
Protection class IP	IP66, IP67, IP69(IP69K)
of the terminal	IP20
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
Electrical endurance (switching cycles)	
typical	10 000 000
Thermal current	10 A
Equipment marking	
acc. to DIN EN 61346-2	S
acc. to DIN EN 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
Main circuit:	
Operating voltage	
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
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	2
Number of NO contacts	
for auxiliary contacts	2
Number of CO contacts	
for auxiliary contacts	0
Connections/ Terminals:	
Type of electrical connection	
of modules and accessories	Screw-type terminal
Type of connectable conductor cross-sections	
solid with core end processing	2x (0.5 ... 0.75 mm ²)
solid without core end processing	2x (1.0 ... 1.5 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 conductors	2x (18 ... 14)
Connectable conductor cross-section	
finely stranded with core end processing	0.5 ... 1.5 mm ²
Tightening torque of the screws in the bracket	1 ... 1.2 N·m
Tightening torque	
with screw-type terminals	0.8 ... 0.9 N·m
Safety related data:	
B10 value	
with high demand rate acc. to SN 31920	300 000
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 %, no condensation in operation permitted for all devices behind front panel)
Installation/ mounting/ dimensions:	
Mounting type	
of modules and accessories	Front plate mounting
Height	40 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	49.7 mm