## 3SU1130-2BF60-3MA0-Z Y19

### **Data sheet**



Selector switch, illuminable, 22 mm, round, plastic with metal front ring, white, selector switch, short, 2 switch positions O-I, latching, actuating angle 90°, 10:30h/13:30h, with holder, 1 NO, 1 NC, spring-type terminal, with laser labeling, inscription or symbol Customer-specific selection with SIRIUS ACT configurator (CIN)

product brain dame   SIRIUS ACT		
design of the product product type designation product tine anufacturer's article number of supplied contact module at position 1 asu1400-1AA10-3BA0 subject contact module at position 2 subject to the supplied contact module at position 2 subject to the supplied contact module at position 2 subject to the supplied contact module at position 2 subject to the supplied actuator subject to the supplied actuator asu1550-0AA10-0AA0 subject to the supplied actuator to the subject to the supplied actuator to the actuating element principle of operation of the actuating element subject of the actuating element white material of the actuating element plastic shape of the actuating element count of the actuating element plastic shape of the actuating element count of the actuating element plastic shape of the actuating element count of the actuating elemen	product brand name	SIRIUS ACT
product type designation   3SU1	product designation	Selector switches
product line Plastic with metal front ring, matt, 22 mm manufacturer's article number  • of supplied contact module at position 1  • of supplied contact module at position 2  • of the supplied holder • of the supplied holder • of the supplied actuator  Interview of the supplied actuator  Interview of the actuating element  principle of operation of the actuating element  product extension optional light source  shape of the actuating element  material of the actuating element  parking of the actuating element  marking of the actuating element  product extension optional pelement  parking of the actuating element  parking of the actuating element  product options  actuating element  product options  product component front ring  design of the front ring  product component front ring  design of the front ring  standard  material of the front ring  material of the front ring  product component front ring  design of the front ring  material of the front ring  product component front ring  design of the front ring  material of the front ring  for the front ring  product component front ring  material of the front ring  for the front ring  material of the product component front ring  material of the front ring  material of the product component front ring  material of	design of the product	Complete unit
manufacturer's article number  • of supplied contact module at position 1  • of supplied contact module at position 2  • of the supplied contact module at position 2  • of the supplied contact module at position 2  • of the supplied actuator  * substance of command points  1  * Actuator  * design of the actuating element  principle of operation of the actuating element  product extension optional light source  color of the actuating element  shape of the actuating element  material of the actuating element  outer diameter of the actuating element  cund  outer diameter of the actuating element  marking of the actuating element  customized labeling, text or symbols, can only be ordered via SIRIUS ACT  configuration (Configuration Identification Number (CIN)  number of contact modules  2 customized labeling, text or symbols, can only be ordered via SIRIUS ACT  configuration of switching positions  2 customized labeling, text or symbols, can only be ordered via SIRIUS ACT  configuration Identification Number (CIN)  number of switching positions  2 customized labeling, text or symbols, can only be ordered via SIRIUS ACT  configuration Identification Number (CIN)  number of switching positions  2 customized labeling, text or symbols, can only be ordered via SIRIUS ACT  configuration Identification Number (CIN)  number of the front ring  \$ standard  \$ standard  material of the front ring  design of the front ring  Metal, matt  color of the front ring  standard  material of the holder  Plastic  Display  number of LED modules  0  Ceneral technical data  product function positive opening  product component light source  No  insulation voltage rated value	product type designation	3SU1
of supplied contact module at position 1     of supplied contact module at position 2     of the supplied holder     of the supplied holder     of the supplied actuator     of the supplied actuator     of the supplied actuator     of the supplied actuator     of the supplied actuator  Inumber of command points     of the actuating element     principle of operation of the actuating element     product extension optional light source     other actuating element     white     material of the actuating element     outer diameter of the order of the actuating element     outer diameter of the order of the actuating element     outer diameter of the order of the actuating element     outer diameter of the order of the	product line	Plastic with metal front ring, matt, 22 mm
of supplied contact module at position 2 of the supplied actuator  of the supplied actuator  Inclosure  number of command points  Actuator  design of the actuating element principle of operation of the actuating element principle of operation of the actuating element principle of the actuating element principle of the actuating element principle of the actuating element product extension optional light source color of the actuating element white material of the actuating element plastic shape of the actuating element outer diameter of the actuating element outer diameter of the actuating element Customized labeling, text or symbols, can only be ordered via SIRIUS ACT configuration/Configuration Identification Number (CIN)  number of contact modules 2 customized labeling, text or symbols, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  number of switching positions 2 customized labeling, text or symbols, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  number of switching positions 2 product component front ring yes elockwise 90°  Front ring product component front ring Metal, matt color of the front ring standard material of the front ring sand gray  Holder material of the holder Display number of LED modules 0  General technical data product function positive opening Yes product component light source No insulation voltage rated value	manufacturer's article number	
of the supplied holder     of the supplied actuator     sulfose-on-AAO     sulfose-o	<ul> <li>of supplied contact module at position 1</li> </ul>	3SU1400-1AA10-3BA0
• of the supplied actuator  Enclosuro  number of command points  Actuator  design of the actuating element principle of operation of the actuating element product extension optional light source Ves color of the actuating element white material of the actuating element plastic shape of the actuating element outer diameter of the actuating element outer diameter of the actuating element actuating of the actuating element Customized labeling, text or symbols, can only be ordered via SIRIUS ACT configuratori/Configuration Identification Number (CIN) number of contact modules 2 number of switching positions 2 actuating angle clockwise 90°  Front ring product component front ring design of the front ring Metal, matt color of the front ring Metal, matt color of the front ring sand gray  Holder material of the holder Plastic  Display number of LED modules 0 General technical data product function positive opening Yes product component light source No Insulation voltage rated value Sou V	<ul> <li>of supplied contact module at position 2</li> </ul>	3SU1400-1AA10-3CA0
Enclosure number of command points  Actuator  design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element white material of the actuating element shape of the actuating element pouter diameter of the actuating element round outer diameter of the actuating element color diameter of the actuating element positions actuating of the actuating element configuratori/Configuration Identification Number (CIN) number of contact modules 2 number of switching positions 2 actuating angle clockwise 90°  Front ring product component front ring design of the front ring material of the front ring material of the front ring material of the front ring Metal, matt color of the front ring material of the holder Display number of LED modules 0 General technical data product component light source No Insulation voltage rated value Sou V	<ul> <li>of the supplied holder</li> </ul>	3SU1550-0AA10-0AA0
number of command points  Actuator  design of the actuating element	<ul> <li>of the supplied actuator</li> </ul>	3SU1032-2BF60-0AA0
Actuator  design of the actuating element   Selector, short   principle of operation of the actuating element   latching, 90° (10:30 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   marking of the actuating element   Customized labeling, text or symbols, can only be ordered via SIRIUS ACT   configurator/Configuration Identification Number (CIN)   number of contact modules   2   number of switching positions   2   actuating angle   elockwise   90°   Front ring   Front ring   product component front ring   standard   material of the holder   Plastic   Display   number of LED modules   0   General technical data   product component light source   No   insulation voltage rated value   500 V	Enclosure	
design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element outer diameter of the actuating element customized labeling, text or symbols, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) number of contact modules 2 number of switching positions 2 actuating angle e clockwise  Front ring product component front ring design of the front ring material of the front ring material of the front ring tolor of the front ring material of the holder  Plastic  Display number of LED modules  0 Ceneral technical data product function positive opening product component light source No insulation voltage rated value  Selector, short latching, 90° (10:30 h/13:30 h) plastic plastic plastic latching, 90° (10:30 h/13:30 h) plastic latching, 90° (10:30 h/13:30 h/13:30 h plastic latching, 90° (10:30 h/13:30 h plast	number of command points	1
principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element marking of the actuating element outer diameter of the actuating element  marking of the actuating element  customized labeling, text or symbols, can only be ordered via SIRIUS ACT configuration/Configuration Identification Number (CIN)  number of contact modules 2 number of switching positions 2 actuating angle elockwise 90°  Front ring product component front ring design of the front ring material of the front ring material of the front ring Holder material of the holder Display  number of LED modules  General technical data product function positive opening yes product component light source No insulation voltage rated value	Actuator	
product extension optional light source  color of the actuating element  material of the actuating element  shape of the actuating element  outer diameter of the actuating element  marking of the actuating element  customized labeling, text or symbols, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  number of contact modules  number of switching positions  customized labeling, text or symbols, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  number of switching positions  customized labeling, text or symbols, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  number of switching positions  customized labeling, text or symbols, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  number of switching positions  customized labeling, text or symbols, can only be ordered via SIRIUS ACT configuration Identification Number (CIN)  number of tendered via SIRIUS ACT configuration Identification Number (CIN)  yes  front ring  product component front ring  sand gray  Holder  material of the front ring  sand gray  Holder  material of the holder  Plastic  Display  number of LED modules  General technical data  product function positive opening  yes  product component light source  No  insulation voltage rated value	design of the actuating element	Selector, short
color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element  marking of the actuating element  customized labeling, text or symbols, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  number of contact modules 2 number of switching positions 2 actuating angle elockwise 90°  Front ring product component front ring design of the front ring material of the front ring whetal, matt color of the front ring material of the holder  Display  number of LED modules  General technical data  product component light source No insulation voltage rated value  white plastic  Display product component light source No insulation voltage rated value  white plastic  color of the front ring yes product component light source No insulation voltage rated value	principle of operation of the actuating element	latching, 90° (10:30 h/13:30 h)
material of the actuating element round outer diameter of the actuating element 32.3 mm marking of the actuating element Customized labeling, text or symbols, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) number of contact modules 2 number of switching positions 2 actuating angle • clockwise 90°  Front ring product component front ring standard material of the front ring Metal, matt color of the front ring sand gray  Holder material of the holder Plastic  Display number of LED modules 0 General technical data product component light source No insulation voltage rated value 500 V	product extension optional light source	Yes
shape of the actuating element outer diameter of the actuating element actuating of the actuating element customized labeling, text or symbols, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  number of contact modules number of switching positions 2 actuating angle clockwise 90°  Front ring product component front ring design of the front ring material of the front ring color of the front ring material of the holder plastic  Display number of LED modules 0 General technical data product component light source insulation voltage rated value  500 V	color of the actuating element	white
outer diameter of the actuating element     32.3 mm       marking of the actuating element     Customized labeling, text or symbols, can only be ordered via SIRIUS ACT configuration Identification Number (CIN)       number of contact modules     2       number of switching positions     2       actuating angle <ul> <li>clockwise</li> <li>90°</li> </ul> Front ring           product component front ring         Yes           design of the front ring         standard           material of the front ring         Metal, matt           color of the front ring         sand gray           Holder         Plastic           Display         0           General technical data         0           product function positive opening         Yes           product component light source         No           insulation voltage rated value         500 V	material of the actuating element	plastic
marking of the actuating element  Customized labeling, text or symbols, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  number of contact modules  1	shape of the actuating element	round
configurator/Configuration Identification Number (CIN)  number of contact modules  number of switching positions  actuating angle	outer diameter of the actuating element	32.3 mm
number of switching positions  actuating angle	marking of the actuating element	
actuating angle	number of contact modules	2
● clockwise 90°  Front ring  product component front ring Yes  design of the front ring standard  material of the front ring Metal, matt  color of the front ring sand gray  Holder  material of the holder Plastic  Display  number of LED modules 0  General technical data  product function positive opening Yes  product component light source No insulation voltage rated value 500 V	number of switching positions	2
product component front ring product component front ring design of the front ring material of the front ring Metal, matt color of the front ring sand gray  Holder material of the holder Plastic  Display number of LED modules 0  General technical data product function positive opening product component light source insulation voltage rated value  Yes Source No	actuating angle	
product component front ring  design of the front ring  material of the front ring  Metal, matt  color of the front ring  material of the holder  material of the holder  Plastic  Display  number of LED modules  General technical data  product function positive opening  product component light source  insulation voltage rated value  Yes  500 V	<ul><li>clockwise</li></ul>	90°
design of the front ring material of the front ring Metal, matt color of the front ring sand gray  Holder material of the holder Plastic  Display number of LED modules  General technical data product function positive opening product component light source insulation voltage rated value  standard Metal, matt sand gray  Metal, matt sand gray  Plastic  0  0  0  0  0  0  0  0  0  0  0  0  0	Front ring	
material of the front ring  Metal, matt  color of the front ring  sand gray  Holder  material of the holder  Plastic  Display  number of LED modules  0  General technical data  product function positive opening  yes  product component light source insulation voltage rated value  Metal, matt  Sand gray  Metal, matt  Sand gray	product component front ring	Yes
color of the front ring  Holder  material of the holder  Plastic  Display  number of LED modules  General technical data  product function positive opening product component light source insulation voltage rated value  sand gray  Plastic  O  Ves  No	design of the front ring	standard
Holder material of the holder  Display number of LED modules  General technical data  product function positive opening product component light source insulation voltage rated value  Plastic  0  Ves  No	material of the front ring	Metal, matt
material of the holder  Display  number of LED modules  General technical data  product function positive opening  product component light source insulation voltage rated value  Plastic  No	color of the front ring	sand gray
number of LED modules  General technical data product function positive opening product component light source insulation voltage rated value  0  Ves No insulation voltage rated value  500 V	Holder	
number of LED modules  General technical data  product function positive opening Yes  product component light source No insulation voltage rated value 500 V	material of the holder	Plastic
Product function positive opening Product component light source Insulation voltage rated value  Product component light source	Display	
product function positive opening Product component light source Insulation voltage rated value  Yes  No  500 V	number of LED modules	0
product component light source No insulation voltage rated value 500 V	General technical data	
insulation voltage rated value 500 V	product function positive opening	Yes
	product component light source	No
degree of pollution 3	insulation voltage rated value	500 V
	degree of pollution	3

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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
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	40 50011 5
• according to IEC 60068-2-6	10 500 Hz: 5g
for railway applications according to EN 61373	Category 1, Class B
operating frequency maximum	1 800 1/h
mechanical service life (operating cycles) typical	1 000 000
electrical endurance (operating cycles) typical	10 000 000
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	
• at AC	5 5001/
— 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	0   1   100   111   (4737 5   A)   1   1   40   111
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	spring-loaded terminals
of modules and accessories	Spring-type terminal
type of connectable conductor cross-sections	
<ul> <li>solid without core end processing</li> </ul>	2x (0.25 1.5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.25 0.75 mm²)
<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.25 1.5 mm²)
for AWG cables	2x (24 16)
tightening torque of the screws in the bracket	1 1.2 N·m
Safety related data	
· · · · · · · · · · · · · · · · · · ·	
proportion of dangerous failures	
with low demand rate according to SN 31920	20 %
<ul> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> </ul>	20 %
with low demand rate according to SN 31920     with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920	20 % 100 000
with low demand rate according to SN 31920     with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN	20 %
with low demand rate according to SN 31920     with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920	20 % 100 000
with low demand rate according to SN 31920 with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920	20 % 100 000
with low demand rate according to SN 31920     with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions	20 % 100 000
with low demand rate according to SN 31920     with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions ambient temperature	20 % 100 000 100 FIT
with low demand rate according to SN 31920     with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature     during operation	20 % 100 000 100 FIT -25 +70 °C
with low demand rate according to SN 31920     with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature     during operation     during storage  environmental category during operation according to IEC 60721	20 % 100 000 100 FIT  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
with low demand rate according to SN 31920     with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature     during operation     during storage  environmental category during operation according to IEC 60721	20 % 100 000 100 FIT  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
with low demand rate according to SN 31920     with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions ambient temperature     during operation     during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions	20 % 100 000 100 FIT  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
with low demand rate according to SN 31920     with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions ambient temperature     during operation     during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method	20 % 100 000 100 FIT  -25 +70 °C -40 +80 °C  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)
with low demand rate according to SN 31920     with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature     during operation     during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method     of modules and accessories	20 %  100 000  100 FIT  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Front plate mounting
with low demand rate according to SN 31920     with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature     during operation     during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method     of modules and accessories height	20 % 100 000 100 FIT  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Front plate mounting 40 mm
with low demand rate according to SN 31920     with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature     during operation     during storage environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method     of modules and accessories  height width	20 % 100 000 100 FIT  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Front plate mounting 40 mm 32.3 mm

positive tolerance of installation diameter	0.4 mm
mounting height	28.8 mm
installation width	32.3 mm
installation depth	49.7 mm
Annrovals Certificates	

#### **General Product Approval**





Confirmation







**Test Certificates** 

Marine / Shipping

Type Test Certificates/Test Report

**Special Test Certific-**<u>ate</u>









other

Environment

Confirmation

**Environmental Con-**<u>firmations</u>

#### Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3SU1130-2BF60-3MA0-Z Y19

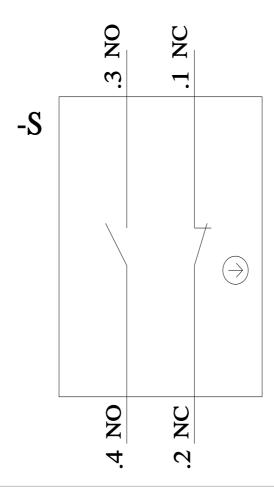
Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1130-2BF60-3MA0\_Z~Y19}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1130-2BF60-3MA0-Z Y19

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)



last modified: 3/2/2024 🖸

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