## **SIEMENS**

## **Data sheet**



Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, horizontal latching, without mechanical interlocking, Z=50-unit packaging

product designation design of the product product type designation product type designation product line Plastic, black, 22 mm  Enclosure number of command points  Actuator design of the actuating element principle of operation of the actuating element direction of actuation product extension optional light source ocolor of the actuating element shape of the actuating element plastic shape of the actuating element plastic shape of the actuating element shape of the actuating element put diameter of the actuating element put diameter of the actuating element product own of switching positions  Maximum deflection angle [*]  Front ring product component front ring design of the front ring design of the front ring plastic color of the front ring shock resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) 100 000  Carrier value design of the product occurrence of according to IEC 81346-2 Substance Prohibitance (Date) 100 000  100 000	product brand name	SIRIUS ACT
product type designation product line Plastic, black, 22 mm  Enclosure number of command points  1  Actuator  design of the actuating element principle of operation of the actuating element direction of actuation product extension optional ilight source color of the actuating element shape of the actuating element black material of the actuating element shape of the actuating element cuter diameter of the actuating element shape of the actuating element shape of the actuating element cuter diameter of the actuating spement shape of the actuating element shape of the actuating element shape of the actuating element cuter diameter of the actuating bear of the actuating element shape of the actuating positions 2  Maximum deflection angle [*]  Front ring product component front ring design of the front ring plastic color of the front ring black  General technical data protection class IP degree of protection NEMA rating shock resistance a according to IEC 60068-2-7 vibration resistance a according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Sofety related data	product designation	Coordinate switches
product line Plastic, black, 22 mm  Enclosure  number of command points 1  Actuator  design of the actuating element   without mechanical interlock   principle of operation of the actuating element   latching   direction of actuation   horizontal   product extension optional   e light source   No   e contact module   Yes   color of the actuating element   black   material of the actuating element   plastic   shape of the actuating element   30.5 mm   number of switching positions   2   Maximum deflection angle [*]   yes   design of the front ring   yes   design of the front ring   plastic   color of the front ring   plastic   color of the actuating element   1.2, 3, 3R, 4, 4X, 12, 13   shock resistance   e according to IEC 60068-2-6   10 500 Hz; 5g   operating frequency maximum   mechanical service Iffe (switching cycles)   e as operating period per direction of actuation typical   reference code according to IEC 81346-2   S Substance Prohibitance (Date)   10/01/2014   Sefety related dataa	design of the product	Actuating/signaling element
Inclosure number of command points  Actuator  design of the actuating element principle of operation of the actuating element latching direction of actuation product extension optional elight source ocontact module Color of the actuating element shape of the actuating element shape of the actuating element pumber of switching positions shape of the actuating element shape of the foot rimp and shape of the actuating element shape o	product type designation	3SU1
number of command points 1  Actuator  design of the actuating element without mechanical interlock principle of operation of the actuating element latching direction of actuation horizontal  product extension optional  • light source • contact module Yes color of the actuating element black material of the actuating element plastic shape of the actuating element superior of the actuating element superior of the actuating element actuating element superior of the actuating element actuating element superior of the actuating element actuating actuation element actuating actuation element actuating actuation element act	product line	Plastic, black, 22 mm
design of the actuating element without mechanical interlock principle of operation of the actuating element direction of actuation product extension optional elight source ocolar module Yes color of the actuating element black material of the actuating element plastic shape of the actuating element source outer diameter of the actuating element anumber of switching positions 2 Maximum deflection angle [*] 30°  Front ring yes design of the front ring high material of the front ring plastic color of the front ring plastic plastic yes according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance occurred according to IEC 60068-2-6 operating frequency maximum 2 400 1/h mechanical service life (switching cycles) occurred actuating element actuating element actuating element according to IEC 81346-2 Substance Prohibitance (Date) 100 000 Sefery related data  Sefety related data  ##################################		
design of the actuating element principle of operation of the actuating element direction of actuation product extension angle [*] Pront ring product component front ring design of the front ring material of the front ring color of the front ring black general technical data protection class IP degree of protection NEMA rating shock resistance e according to IEC 60068-2-6 operating frequency maximum reference code according to IEC 81346-2 Substance Prohibitance (Date)  light source No No Ves No No Ves No Ves No No No Ves No No No Ves No No No Ves No No No No Ves No No No No Ves No No No No No Ves No No No No No No No Ves No No No Ves No	number of command points	1
principle of operation of the actuating element direction of actuation  product extension optional  elight source color of the actuating element material of the actuating element outer diameter of the actuating element number of switching positions  Maximum deflection angle [*]  product component front ring design of the front ring material of the front ring plastic color of the front ring material of the operating element protection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Safety related data  Position resistance 100000 100000000000000000000000000000	Actuator	
direction of actuation product extension optional  • light source • contact module  color of the actuating element material of the actuating element shape of the actuating element couter diameter of the actuating element number of switching positions 2  Maximum deflection angle [*]  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 general technical data protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 vibration resistance • according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Safety related data	design of the actuating element	without mechanical interlock
product extension optional    light source	principle of operation of the actuating element	latching
● contact module Pes color of the actuating element black material of the actuating element shape of the actuating element cuter diameter of the actuating element plastic shape of the actuating element shape of the actuating element cuter diameter of the actuating element pouter diameter of the actuating element shape of switching positions  2 Maximum deflection angle [*] product component front ring product component front ring product component front ring product component front ring plastic color of the front ring plastic color of t	direction of actuation	horizontal
• contact module  color of the actuating element  material of the actuating element  shape of the actuating element  outer diameter of the actuating element  number of switching positions  2  Maximum deflection angle [*]  product component front ring  design of the front ring  material of the front ring  color of the front ring  protection class IP  degree of protection NEMA rating  shock resistance  • according to IEC 60068-2-27  vibration resistance  • according to IEC 60068-2-6  operating frequency maximum  mechanical service life (switching cycles)  • as operating period per direction of actuation typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Safety related data	product extension optional	
color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element number of switching positions Maximum deflection angle [°]  Front ring product component front ring design of the front ring material of the front ring color of the front ring protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 vibration resistance • according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Ponbibitance (Date) Safety related data	• light source	No
material of the actuating element shape of the actuating element outer diameter of the actuating element number of switching positions 2 Maximum deflection angle [°] 30° Front ring product component front ring high material of the front ring plastic color of the front ring black  General technical data protection class IP IP65, IP67 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 vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 2 400 1/h mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Safety related data	contact module	Yes
shape of the actuating element outer diameter of the actuating element number of switching positions 2 Maximum deflection angle [°] 30°  Front ring product component front ring high material of the front ring plastic color of the front ring black  General technical data protection class IP IP65, IP67 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 vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 2 400 1/h mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data	color of the actuating element	black
outer diameter of the actuating element number of switching positions  2  Maximum deflection angle [°]  Front ring  product component front ring design of the front ring material of the front ring color of the front ring black  General technical data  protection class IP degree of protection NEMA rating shock resistance  • according to IEC 60068-2-27  vibration resistance  • according to IEC 60068-2-6  operating frequency maximum mechanical service life (switching cycles)  • as operating period per direction of actuation typical reference code according to IEC 81346-2  Substance Prohibitance (Date)  Safety related data	material of the actuating element	plastic
number of switching positions  Maximum deflection angle [°]  product component front ring  product component front ring  design of the front ring  material of the front ring  plastic  color of the front ring  general technical data  protection class IP  degree of protection NEMA rating  shock resistance  • according to IEC 60068-2-27  vibration resistance  • according to IEC 60068-2-6  operating frequency maximum  caccording to IEC 60068-2-6  operating frequency maximum  protection of actuation typical  as operating period per direction of actuation typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Safety related data	shape of the actuating element	Extended handle
Maximum deflection angle [*]  Front ring  product component front ring  design of the front ring  material of the front ring  color of the front ring  protection class IP  degree of protection NEMA rating  shock resistance  • according to IEC 60068-2-27  vibration resistance  • according to IEC 60068-2-6  operating frequency maximum  mechanical service life (switching cycles)  • as operating period per direction of actuation typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Safety related data	outer diameter of the actuating element	30.5 mm
Front ring  product component front ring  design of the front ring  material of the front ring  color of the front ring  plastic  black  General technical data  protection class IP  degree of protection NEMA rating  shock resistance  • according to IEC 60068-2-27  vibration resistance  • according to IEC 60068-2-6  operating frequency maximum  mechanical service life (switching cycles)  • as operating period per direction of actuation typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Yes  High  High  Nigh  Ple65, IP67  IP65, IP67  1, 2, 3, 3R, 4, 4X, 12, 13  sinusoidal half-wave 15g / 11 ms  vibration resistance  10 500 Hz: 5g  2 400 1/h  100 000  reference code according to IEC 81346-2  S  Substance Prohibitance (Date)	number of switching positions	2
product component front ring design of the front ring material of the front ring plastic color of the front ring black  General technical data protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 vibration resistance • according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Yes high high plastic plas	Maximum deflection angle [°]	30°
design of the front ring material of the front ring plastic black  General technical data protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 vibration resistance • according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  high plastic plastic plastic plastic plastic plastic plastic plack  IP65, IP67  1, 2, 3, 3R, 4, 4X, 12, 13  sinusoidal half-wave 15g / 11 ms  vibration resistance 10 500 Hz: 5g 2 400 1/h  mechanical service life (switching cycles)  • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Safety related data	Front ring	
material of the front ring color of the front ring black  General technical data  protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  plastic black leack  IP65, IP67  1, 2, 3, 3R, 4, 4X, 12, 13  sinusoidal half-wave 15g / 11 ms  vibration resistance 10 500 Hz: 5g 2 400 1/h  mechanical service life (switching cycles) 100 000  reference code according to IEC 81346-2 Substance Prohibitance (Date)  Safety related data	product component front ring	Yes
color of the front ring  General technical data  protection class IP  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  vibration resistance • according to IEC 60068-2-6  operating frequency maximum  mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2  Substance Prohibitance (Date)  Safety related data	design of the front ring	high
protection class IP degree of protection NEMA rating shock resistance	material of the front ring	plastic
protection class IP  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  vibration resistance  • according to IEC 60068-2-6  • according to IEC 60068-2-6  operating frequency maximum  rechanical service life (switching cycles)  • as operating period per direction of actuation typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Safety related data	color of the front ring	black
degree of protection NEMA rating  shock resistance	General technical data	
shock resistance  • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms  vibration resistance  • according to IEC 60068-2-6 10 500 Hz: 5g  operating frequency maximum 2 400 1/h  mechanical service life (switching cycles)  • as operating period per direction of actuation typical reference code according to IEC 81346-2 S  Substance Prohibitance (Date) 10/01/2014  Safety related data	protection class IP	IP65, IP67
according to IEC 60068-2-27     sinusoidal half-wave 15g / 11 ms  vibration resistance     according to IEC 60068-2-6     according frequency maximum     2 400 1/h  mechanical service life (switching cycles)     as operating period per direction of actuation typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Safety related data	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
vibration resistance  • according to IEC 60068-2-6  operating frequency maximum  2 400 1/h  mechanical service life (switching cycles)  • as operating period per direction of actuation typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Safety related data	shock resistance	
<ul> <li>according to IEC 60068-2-6</li> <li>operating frequency maximum</li> <li>2 400 1/h</li> <li>mechanical service life (switching cycles)</li> <li>as operating period per direction of actuation typical</li> <li>reference code according to IEC 81346-2</li> <li>Substance Prohibitance (Date)</li> <li>Safety related data</li> </ul>	<ul><li>according to IEC 60068-2-27</li></ul>	sinusoidal half-wave 15g / 11 ms
operating frequency maximum  mechanical service life (switching cycles)  • as operating period per direction of actuation typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Safety related data	vibration resistance	
mechanical service life (switching cycles)  • as operating period per direction of actuation typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Safety related data	according to IEC 60068-2-6	10 500 Hz: 5g
• as operating period per direction of actuation typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Safety related data	operating frequency maximum	2 400 1/h
reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Safety related data	mechanical service life (switching cycles)	
Substance Prohibitance (Date)  Safety related data	as operating period per direction of actuation typical	100 000
Safety related data	reference code according to IEC 81346-2	S
	Substance Prohibitance (Date)	10/01/2014
B10 value with high demand rate according to SN 31920 100 000	Safety related data	
5 to value with high demand rate decording to one of 1020	B10 value with high demand rate according to SN 31920	100 000

proportion of dangerous failures	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	20 %
<ul> <li>with high demand rate according to SN 31920</li> </ul>	20 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
Ambient conditions	
ambient temperature	
<ul> <li>during operation</li> </ul>	-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%)
Installation/ mounting/ dimensions	
height	30.5 mm
width	30.5 mm
shape of the installation opening	round
mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	71.3 mm
installation width	30.5 mm
installation depth	25.6 mm
Certificates/ approvals	
Further information	

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=3SU1000-7AA10-0AA0-Z X90

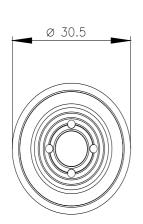
Cax online generator

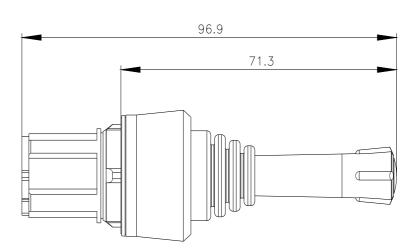
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-7AA10-0AA0-Z X90

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-7AA10-0AA0-Z X90

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1000-7AA10-0AA0-Z X90&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1000-7AA10-0AA0-Z X90&lang=en</a>





last modified: 1/27/2022 🖸