## **SIEMENS**

## **Data sheet**



Potentiometer, compact, 22 mm, round, plastic, black, 1k ohm, with holder, screw terminal, Z=50-unit packaging  $\,$ 

product designation	product brand name	SIRIUS ACT
design of the product product type designation product line Plastic, black, 22 mm manufacturer's article number of the supplied holder  BSU1550-0AA10-0AA0  Enclosure number of command points 1 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 operation of the actuating element principle of operation of the actuating element pround outer diameter of the actuating element pround outer diameter of the actuating element pround outer diameter of the actuating element product component front ring product component front ring No Holder material of the holder Plastic  Ceneral technical data consumed active power 1 W insulation voltage rated value degree of pollution 3 protection class IP of the terminal degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance according to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B  mechanical service life (operating cycles) typical	product designation	
product type designation product line Plastic, black, 22 mm manufacturer's article number of the supplied holder 3SU1550-0AA10-0AA0  Enclosure number of command points 1  Actuator design of the actuating element Infinitely variable adjustment, angle of rotation 280° black plastic plast		
product line Plastic, black, 22 mm manufacturer's article number of the supplied holder  Enclosure  Number of command points  Actuator  design of the actuating element Infinitely variable adjustment, angle of rotation 280° color of the actuating element plastic shape of the actuating elemen		·
manufacturer's article number of the supplied holder  Enclosure  number of command points  1  Actuator  design of the actuating element		
Enclosure number of command points  Actuator design of the actuating element principle of operation of the actuating element color of the actuating element material of the actuating element shape of the actuating element plastic shape of the actuating element shape of the actuating element pouter diameter of the actuating element shape of the actuating element your diameter of the actuating element No material of the actuating element product component front ring product component front ring No Holdor material of the holder Plastic General technical data consumed active power 1 W insulation voltage rated value degree of pollution 3 protection class IP of the terminal lege, clamping screw tightened degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance according to IEC 60068-2-6 for rallway applications according to EN 61373 Category 1, Class B  mechanical service life (operating cycles) typical		
number of command points  Actuator  design of the actuating element		<u>3SU1550-UAA1U-UAAU</u>
Actuator  design of the actuating element principle of operation of the actuating element color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element  Maximum deflection angle [**]  product component front ring  No  Holder material of the holder  General technical data consumed active power insulation voltage rated value degree of pollution 3 protection class IP of the terminal elege of protection NEMA rating shock resistance according to IEC 60068-2-27 in for railway applications according to EN 61373  wibration resistance according to IEC 60068-2-6 of railway applications according to EN 61373 Category 1, Class B  mechanical service life (operating cycles) typical		
design of the actuating element principle of operation of the actuating element lnfinitely variable adjustment, angle of rotation 280° color of the actuating element black material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 30 mm Maximum deflection angle [*] 280° Front ring product component front ring No Modeled actuating of the holder Plastic General technical data consumed active power 1 W insulation voltage rated value 500 V degree of pollution 3 protection class IP IP66, IP67, IP69(IP69K)   IP66, IP67, IP69(IP69K)   IP66, IP67, IP69(IP69K)   IP60, IP60		1
principle of operation of the actuating element color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element  Maximum deflection angle [*]  Front ring product component front ring  Holder material of the holder General technical data consumed active power insulation voltage rated value degree of pollution protection class IP of the terminal degree of protection NEMA rating degree of protection NEMA rating shock resistance according to IEC 60068-2-27 for railway applications according to EN 61373 mechanical service life (operating cycles) typical  Infinitely variable adjustment, angle of rotation 280° Lack lack lack lack lack lack lack lack l		
color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element  Maximum deflection angle [*]  product component front ring  product component front ring  No  Holder material of the holder  Ceneral technical data consumed active power  insulation voltage rated value degree of pollution protection class IP of the terminal eggee of protection NEMA rating shock resistance according to IEC 60068-2-27 for railway applications according to EN 61373  vibration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373  mechanical service life (operating cycles) typical  plastic round non  non  non  non  non  non  non		·
material of the actuating element shape of the actuating element outer diameter of the actuating element  outer diameter of the actuating element  30 mm  Maximum deflection angle [*]  Front ring  product component front ring No  Holder  material of the holder  General technical data  consumed active power  insulation voltage rated value  for pollution  protection class IP of the terminal  degree of protection NEMA rating shock resistance  according to IEC 60068-2-27 of or railway applications according to EN 61373  vibration resistance  according to IEC 60068-2-6 of or railway applications according to EN 61373  mechanical service life (operating cycles) typical  pound  round  cound  round  cound  round  cound  pages  1 W  IN  W  IN  Holder  1 W  IN  IN  IN  IN  IN  IN  IN  IN  IN  I		
shape of the actuating element outer diameter of the actuating element 30 mm  Maximum deflection angle [°] 280°  Front ring product component front ring No  Holder material of the holder General technical data consumed active power 1 W insulation voltage rated value 500 V degree of pollution 3 protection class IP of the terminal legree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance according to IEC 60068-2-27 insulation resistance according to IEC 60068-2-6 of or railway applications according to EN 61373 category 1, Class B mechanical service life (operating cycles) typical		
outer diameter of the actuating element 30 mm  Maximum deflection angle [*] 280°  Front ring  product component front ring No  Holder  material of the holder Plastic  General technical data  consumed active power 1 W insulation voltage rated value 500 V degree of pollution 3 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 60068-2-7 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 • for railway applications according to EN 61373 Category 1, Class B  mechanical service life (operating cycles) typical 25 000		·
Maximum deflection angle [°] 280°  Front ring product component front ring No  Holder material of the holder Plastic  General technical data  consumed active power 1 W insulation voltage rated value 500 V degree of pollution 3 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 60068-2-7 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  mechanical service life (operating cycles) typical 25 000	shape of the actuating element	round
product component front ring  product component front ring  No  Holder  material of the holder  General technical data  consumed active power insulation voltage rated value degree of pollution  protection class IP of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-27 of or railway applications according to EN 61373  vibration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373  mechanical service life (operating cycles) typical  No  1 W  No  1 W  1 W  1 W  1 W  1 W  1 W  1 Plastic  1 W  1 Plastic  1 Pla	outer diameter of the actuating element	30 mm
product component front ring  Holder  material of the holder  General technical data  consumed active power  insulation voltage rated value  degree of pollution  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  according to IEC 60068-2-27  of railway applications according to EN 61373  vibration resistance  according to IEC 60068-2-6  of railway applications according to EN 61373  mechanical service life (operating cycles) typical  Plastic  1 W  I W  I W  I W  I W  I W  I W  I W		280°
material of the holder  General technical data  consumed active power insulation voltage rated value  degree of pollution  protection class IP 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  vibration resistance  according to IEC 60068-2-6 of or railway applications according to EN 61373  category 1, Class B  mechanical service life (operating cycles) typical  plastic  I W  I W  Consumed active power  1 W  Sou V  Sou V	Front ring	
material of the holder  General technical data  consumed active power  insulation voltage rated value  degree of pollution  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  according to IEC 60068-2-27  insulation voltage rated value  according to IEC 60068-2-6  of railway applications according to EN 61373  mechanical service life (operating cycles) typical  1 W  1 W  1 W  1 W  1 W  1 W  1 W  1	product component front ring	No
Consumed active power  insulation voltage rated value  for the terminal  shock resistance  according to IEC 60068-2-27  in resilvany applications according to EN 61373  vibration resilvang applications according to EN 61373  mechanical service life (operating cycles) typical  1 W  1 W  1 W  1 W  1 W  1 W  1 W  1	Holder	
consumed active power  insulation voltage rated value  500 V  degree of pollution  protection class IP  of the terminal  lP20, clamping screw tightened  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  according to IEC 60068-2-27  for railway applications according to EN 61373  vibration resistance  according to IEC 60068-2-6  of or railway applications according to EN 61373  category 1, Class B  mechanical service life (operating cycles) typical  1 W  1 W  1 W  1 W  1 W  1 W  1 W  1	material of the holder	Plastic
insulation voltage rated value  degree of pollution  protection class IP  of the terminal  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  according to IEC 60068-2-27  of or railway applications according to EN 61373  vibration resistance  according to IEC 60068-2-6  of or railway applications according to EN 61373  category 1, Class B  mechanical service life (operating cycles) typical  500 V  3  Check (IP67, IP69(IP69K)  IP20, clamping screw tightened  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  according to IEC 60068-2-7  of or railway applications according to EN 61373  Category 1, Class B  category 1, Class B	General technical data	
degree of pollution  protection class IP  of the terminal  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  oaccording to IEC 60068-2-27  for railway applications according to EN 61373  vibration resistance  oaccording to IEC 60068-2-6  of railway applications according to EN 61373  Category 1, Class B  mechanical service life (operating cycles) typical  25 000	consumed active power	1 W
protection class IP  of the terminal  lP20, clamping screw tightened  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  of railway applications according to EN 61373  vibration resistance  of railway applications according to EN 61373  category 1, Class B  rechanical service life (operating cycles) typical  lP66, IP67, IP69(IP69K)  IP66, IP67, IP69(IP69K)  IP60, I	insulation voltage rated value	500 V
● of the terminal  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  ● for railway applications according to EN 61373  Category 1, Class B  mechanical service life (operating cycles) typical  25 000	degree of pollution	3
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  mechanical service life (operating cycles) typical 25 000	protection class IP	IP66, IP67, IP69(IP69K)
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  mechanical service life (operating cycles) typical 25 000	of the terminal	IP20, clamping screw tightened
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  mechanical service life (operating cycles) typical 25 000	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
	shock resistance	
vibration resistance	• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
• according to IEC 60068-2-6  • for railway applications according to EN 61373  Category 1, Class B  mechanical service life (operating cycles) typical  25 000	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
<ul> <li>◆ for railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>mechanical service life (operating cycles) typical</li> <li>25 000</li> </ul>	vibration resistance	
mechanical service life (operating cycles) typical 25 000	• according to IEC 60068-2-6	10 500 Hz: 5g
	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
reference code according to IEC 91346-2	mechanical service life (operating cycles) typical	25 000
Telefelice code according to inco 31340-2	reference code according to IEC 81346-2	S
Substance Prohibitance (Date) 10/01/2014	Substance Prohibitance (Date)	10/01/2014
Connections/ Terminals	Connections/ Terminals	
type of electrical connection screw-type terminals	type of electrical connection	screw-type terminals
type of connectable conductor cross-sections	type of connectable conductor cross-sections	
• solid with core end processing 2x (0.5 0.75 mm²)	type of connectable conductor cross-sections	

<ul> <li>solid without core end processing</li> </ul>	2x (1.0 1.5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²)
<ul> <li>finely stranded without core end processing</li> </ul>	2x (1,0 1,5 mm²)
for AWG cables	2x (18 14)
tightening torque of the screws in the bracket	1 1.2 N·m
tightening torque with screw-type terminals	0.8 1 N·m
Ambient conditions	
ambient temperature	
during operation	-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%, no condensation in operation permitted for all devices behind front panel)
Installation/ mounting/ dimensions	
height	40 mm
height width	40 mm 30 mm
width	30 mm
width shape of the installation opening	30 mm round
width shape of the installation opening mounting diameter	30 mm round 22.3 mm
width shape of the installation opening mounting diameter positive tolerance of installation diameter	30 mm round 22.3 mm 0.4 mm
width shape of the installation opening mounting diameter positive tolerance of installation diameter mounting height	30 mm round 22.3 mm 0.4 mm 19.4 mm
width shape of the installation opening mounting diameter positive tolerance of installation diameter mounting height installation width	30 mm round 22.3 mm 0.4 mm 19.4 mm 30 mm

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3SU1200-2PQ10-1AA0-Z X90

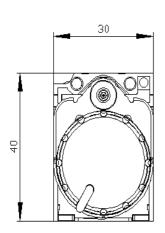
Cax online generator

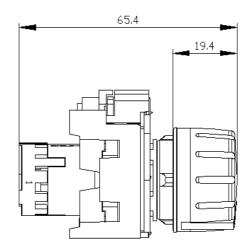
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1200-2PQ10-1AA0-Z X90

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

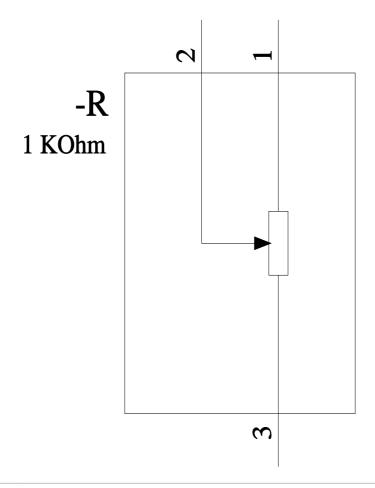
https://support.industry.siemens.com/cs/ww/en/ps/3SU1200-2PQ10-1AA0-Z X90

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1200-2PQ10-1AA0-Z\_X90&lang=en









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