SIEMENS

Data sheet



Potentiometer, compact, 22 mm, round, plastic, black, 1k ohm, with holder, screw terminal

50(mb.07.5)			
product brand name	SIRIUS ACT		
product designation	Potentiometers		
design of the product	Compact unit		
product type designation	3SU1		
product line	Plastic, black, 22 mm		
manufacturer's article number of the supplied holder	<u>3SU1550-0AA10-0AA0</u>		
Enclosure			
number of command points	1		
Actuator			
design of the actuating element	Rotary knob		
principle of operation of the actuating element	Infinitely 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		
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)		
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 	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		
reference code according to IEC 81346-2	S		
Substance Prohibitance (Date)	01/01/2016		
Weight	68 g		
Connections/ Terminals			
type of electrical connection	screw terminal		
type of connectable conductor cross-sections			

General Product Approval		Test Certificates	Maritime application
Approvals Certificates			
installation depth	46 mm		
installation width	30 mm		
mounting height	19.4 mm		
positive tolerance of installation diameter	0.4 mm		
mounting diameter	22.3 mm		
shape of the installation opening	round		
width	30 mm		
height	40 mm		
Installation/ mounting/ dimensions			
global warming potential [CO2 eq] after end of life	-0.015 kg		
global warming potential [CO2 eq] during operation	0.235 kg		
global warming potential [CO2 eq] during manufacturing	0.566 kg		
global warming potential [CO2 eq] total	0.787 kg		
Environmental Product Declaration(EPD)	Yes		
Environmental footprint			
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)		
during storage	-40 +80 °C		
during operation	-25 +70 °C		
ambient temperature			
Ambient conditions			
tightening torque with screw-type terminals	0.8 1 N·m		
tightening torque of the screws in the bracket	1 1.2 N·m		
• for AWG cables	2x (18 14)		
 finely stranded without core end processing 	2x (1,0 1,5 mm²)		
 finely stranded with core end processing 	2x (0.5 1.5 mm²)		
 solid without core end processing 	2x (1.0 1.5 mm²)		
 solid with core end processing 	2x (0.5 0.75 mm²)		









Type Test Certificates/Test Report



Maritime application

other

Environment







Confirmation







Environment

Environmental Confirmations

Further information

Information on the packaging

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

Information for data generation and storage

https://support.industry.siemens.com/cs/ww/en/view/109995012

Information- and Downloadcenter (Catalogs, Brochures,...)

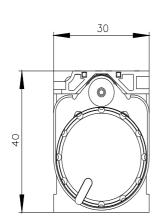
https://www.siemens.com/ic10

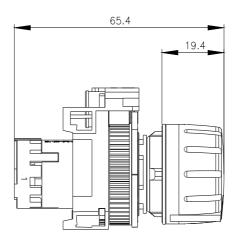
Industry Mall (Online ordering system)

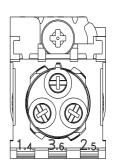
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1200-2PQ10-1AA0

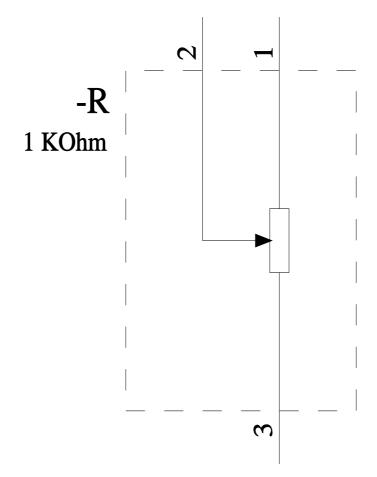
Cax online generator

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1200-2PQ10-1AA0









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