SIEMENS

Data sheet	3SU1250-2PU10-1AA0

POTENTIOMETER, COMPACT, 22MM, ROUND, METAL, BLACK, 100K OHMS, WITH HOLDER, SCREW TERMINALS CONFORMITY WITH ROHS UNCONFIRMED

Figure similar

product brand name	SIRIUS ACT
Product designation	Commanding and signaling devices
Design of the product	Potentiometer
Manufacturer article number	
• of the supplied holder	3SU1550-0AA10-0AA0

Enclosure:	
Number of command points	1

Actuator:	
Design of the operating mechanism	Rotary knob
Manner of function of the actuating element	infinitely rotatable
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

Front ring:	
Product component front ring	No

Holder:	

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Material of the holder	Metal

General technical data:

Active power consumption	0.5 W
Insulation voltage	
• rated value	500 V
Degree of pollution	3
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
Vibration resistance	
• acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
Mechanical service life (switching cycles)	
• typical	25 000
Equipment marking	
• acc. to DIN EN 61346-2	S
• acc. to DIN EN 81346-2	S

Connections/ Terminals:

Type of electrical connection	screw-type terminals
Type of connectable conductor cross-sections	
• solid with core end processing	2x (0.5 ... 0.75 mm²)
• solid without core end processing	2x (1.0 ... 1.5 mm²)
• finely stranded with core end processing	2x (0.5 ... 1.5 mm²)
• finely stranded without core end processing	2x (1,0 ... 1,5 mm²)
• at AWG conductors	2x (18 ... 14)
Connectable conductor cross-section	
• finely stranded with core end processing	0.5 ... 1.5 mm²
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

Installation/ mounting/ dimensions:

Height	40 mm
Width	30 mm
Shape of the installation opening	round
Mounting diameter	22.3 mm
Mounting height	19.4 mm

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Installation width	30 mm
Installation depth	46 mm

Certificates/approvals

General Product Approval	Declaration of Conformity

EAC

CE
EG-Konf.

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU12502PU101AA0
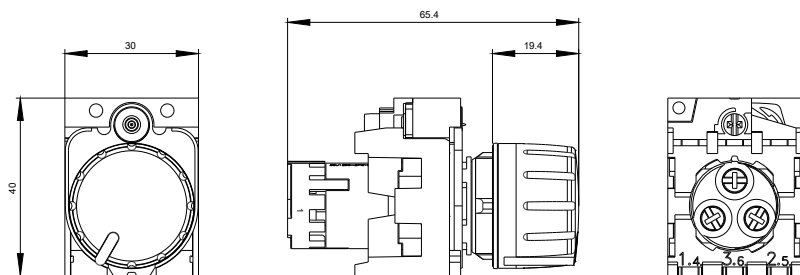
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU12502PU101AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
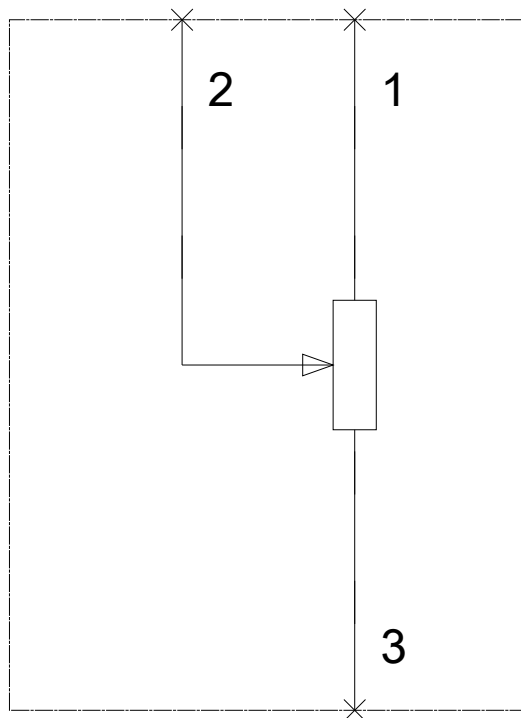https://support.industry.siemens.com/cs/ww/en/ps/3SU12502PU101AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU12502PU101AA0&lang=en

-R

100 kOhm

2   1

3

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