

Actuator-/Indicator Component switch with 1 Contact Element NC,
screw terminal Contact Block, 30Degr tilted

Model	
Product brand name	SETRON
Design of the fuse link / for short-circuit protection of the auxiliary switch / with type of coordination 1 / required	gG / Dz 10 A
General technical data	
Electrical endurance (switching cycles) / with contactors 3RT1015 to 3RT1026 / typical	10 000 000
Mechanical service life (switching cycles) / typical	10 000 000
Operating frequency / maximum	1 000 1/h
Thermal current	10 A
Voltage	
Type of voltage / of the operating voltage	AC/DC
Operating voltage / at DC / rated value	24 V
Insulation voltage / rated value	400 V
Surge voltage resistance / rated value	4 kV
Operating voltage	
• at AC / at 50 Hz / rated value / minimum	5 V
• at AC / at 50 Hz / rated value / maximum	400 V
• at AC / at 60 Hz / rated value / minimum	5 V
• at AC / at 60 Hz / rated value / maximum	300 V
• at DC / rated value / minimum	5 V
• at DC / rated value / maximum	230 V
Protection class	
Protection class IP	
• of the terminal	IP20
• of the enclosure	IP40
Current	
Operating current	
• at AC-15 / at 230 V / at 50 Hz / rated value	6 A
• at AC-15 / at 230 V / at 60 Hz / rated value	6 A
• at AC-15 / at 110 V / rated value	6 A
• at AC-15 / at 48 V / rated value	6 A
• at AC-12 / at 110 V / rated value	10 A

• at AC-12 / at 48 V / rated value	10 A
• at AC-12 / at 400 V / rated value	10 A
• at AC-12 / at 24 V / rated value	10 A
• at AC-12 / at 230 V / rated value	10 A
• at AC-15 / at 24 V / rated value	6 A
• at AC-15 / at 230 V / rated value	6 A
• at AC-15 / at 400 V / rated value	3 A
• at DC-12 / at 230 V / rated value	1 A
• at DC-13 / at 230 V / rated value	0.3 A
• at DC-12 / at 110 V / rated value	2.5 A
• at DC-12 / at 48 V / rated value	5 A
• at DC-13 / at 110 V / rated value	0.7 A
• at DC-13 / at 48 V / rated value	1.5 A
• at DC-12 / at 24 V / rated value	10 A
• at DC-13 / at 24 V / rated value	3 A

Auxiliary circuit

Number of CO contacts / for auxiliary contacts	0
Number of NC contacts / for auxiliary contacts	1
Number of NO contacts / for auxiliary contacts	0
Suitability for integration	
• Pendant switch	Yes
• Pendant pushbutton	Yes

Product function

Product function / positive opening	Yes
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Number

Number of lampholders	0
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Connections

Connectable conductor cross-section / for auxiliary contacts	
• single or multi-stranded	1 ... 1.5 mm ²
• finely stranded / with core end processing	0.5 ... 1.5 mm ²
AWG number / as coded connectable conductor cross section / for auxiliary contacts	18 ... 14
Tightening torque / for auxiliary contacts / with screw-type terminals	0.8 N·m
• Type of connectable conductor cross-sections / at AWG conductors / for auxiliary contacts	2x (18 ... 14)
• Type of connectable conductor cross-sections / for auxiliary contacts / solid	2x (1.0 ... 1.5 mm ²)

• Type of connectable conductor cross-sections / for auxiliary contacts / solid / with core end processing	2x (0.5 ... 0.75 mm ²)
• Connectable conductor cross-section / for auxiliary contacts / solid / with core end processing / minimum	0.5 mm ²
• Connectable conductor cross-section / for auxiliary contacts / solid / with core end processing / maximum	0.75 mm ²
• Type of connectable conductor cross-sections / for auxiliary contacts / finely stranded / with core end processing	2x (0.5 ... 1.5 mm ²)
Type of electrical connection	screw-type terminals

Mechanical Design	
Height	36.5 mm
Width	10 mm
Depth	20 mm
Mounting type	front mounting
Net weight	10 g

Environmental conditions	
Contact reliability	one incorrect switching operation of 100 million switching operations (5 V, 1 mA)
Ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-25 ... +80 °C

Certificates	
Reference code	
• acc. to DIN EN 61346-2	S
• acc. to DIN EN 81346-2	S

General Product Approval	EMC	Declaration of Conformity
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CCC



CSA

[Miscellaneous](#)



UL



C-Tick



EG-Konf.

Test Certificates	Shipping Approval	other
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[Special Test Certificate](#)



PRS



RINA



RMRS

[Miscellaneous](#)

other

[Environmental Conformations](#)

[Confirmation](#)

[Manufacturer Declaration](#)

Further information

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

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VL9800-2AK00>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VL9800-2AK00>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL9800-2AK00

CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>