SIEMENS

Data sheet 5TT4431-5



Remote control switch Contact for 25 A Voltage 24 V DC 1 NO

Model	
product brand name	SENTRON
product designation	Remote control switch
design of the product	1NO, 24 V DC, 25 A
latching relay design	Mechanical switch
General technical data	
electrical endurance (operating cycles)	50 000
galvanic isolation between magnet coil and contact	Yes
switching voltage of the contacts at AC minimum	10 V
switching current at AC per contact minimum	100 mA
power loss [V·A] of magnet coil with pulse rated value	9 VA
Voltage	
type of voltage of the operating voltage	AC
continuous voltage fuse version	Yes
surge voltage resistance rated value	3 kV
supply voltage	400 V
Supply voltage	
supply voltage minimum	230 V
Protection class	
protection class IP	IP20
Switching capacity	
switching capacity apparent power	
● for fluorescent lamp load with DUO circuit	2 436 VA
● for fluorescent lamp load with parallel compensation	986 VA
● for uncompensated fluorescent lamp load	1 624 VA
switching capacity current	
● at cos phi 0.6	25 A
● rated value	25 A
switching capacity active power with incandescent lamp load	5 500 W
Dissipation	
power loss [W]	
● at 16 A per contact rated value	2 W
● of magnet coil with pulse rated value	9 W
Control current	
type of voltage	
● of control voltage_1	DC
control voltage	
● _1 initial value	207 V
● _1 full-scale value	253 V
● _1 setpoint	24 V

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Product details	
product component switch position indicator	Yes
number of NC contacts	0
number of NO contacts	1
number of CO contacts	0
Product function	
product function direct operation	Yes
pulse duration minimum	100 ms
Number	
number of terminals	2
Connections	
connectable conductor cross-section for flexible conductor with core end processing	
• minimum	1 mm²
• maximum	10 mm²
connectable conductor cross-section for rigid conductor	
• minimum	1 mm²
• maximum	10 mm²
Mechanical Design	
height	90 mm
width	17.5 mm
width of opening of the contacts	3 mm
depth	73 mm
mounting height	90 mm
installation depth	73 mm
number of modular width units	1
fastening method	DIN rail
mounting position	Horizontal and vertical
net weight	174 g
Environmental conditions	
ambient temperature during operation	
• minimum	-25 °C
• maximum	55 °C

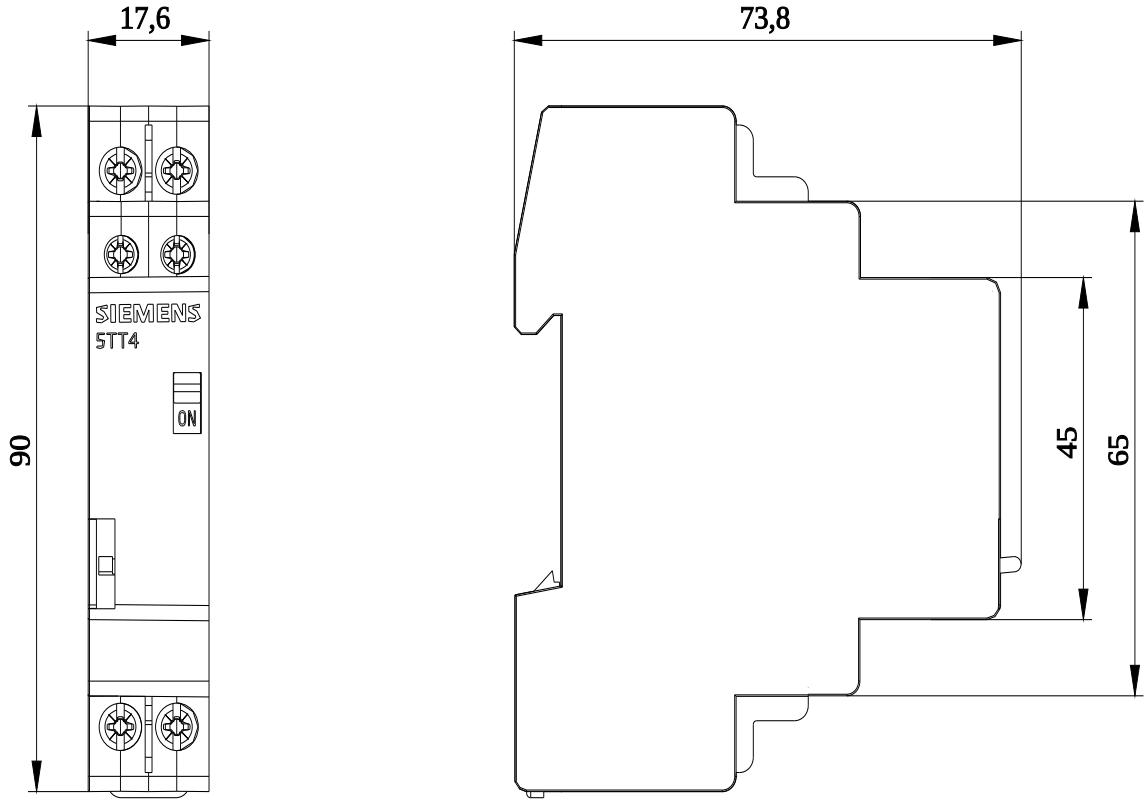
General Product Approval	Declaration of Conformity	Test Certificates	other
Confirmation		Miscellaneous	Confirmation

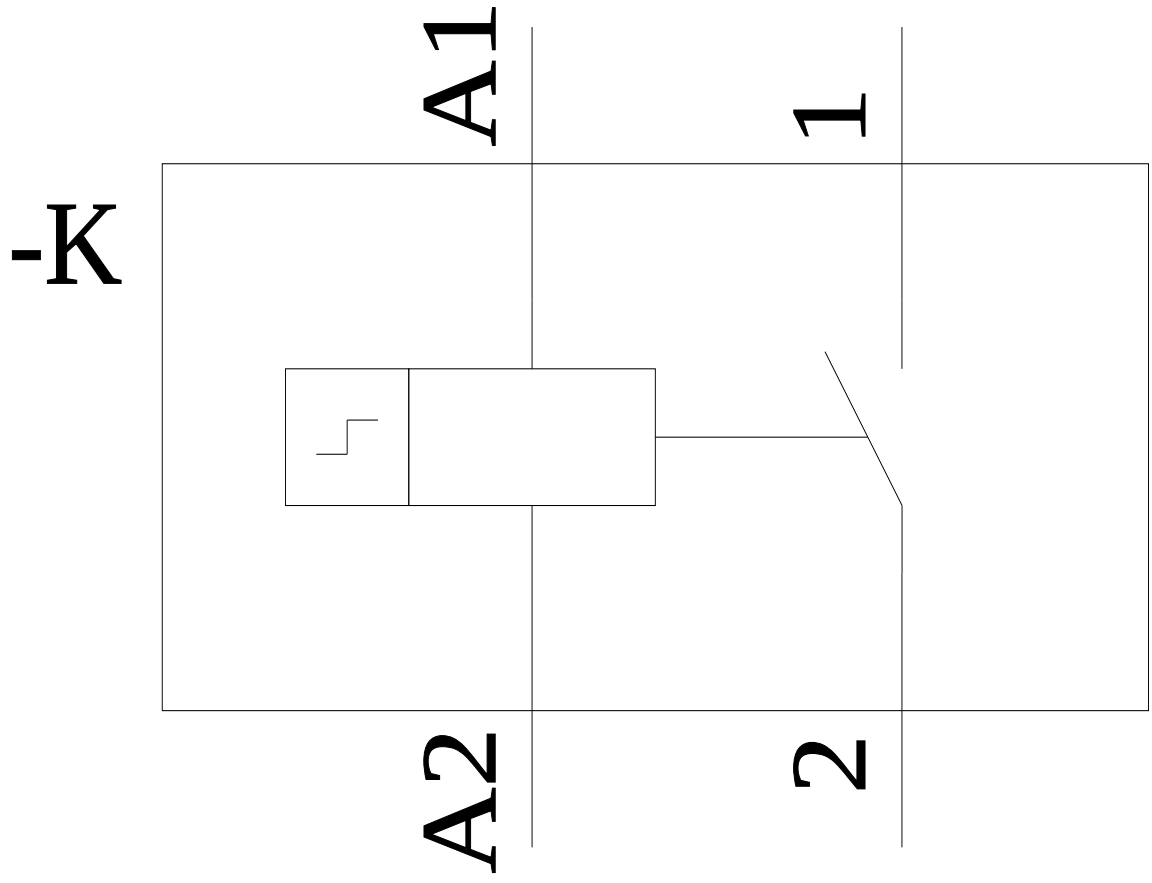
other	Environment
Miscellaneous	Environmental Confirmations

Further information

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,…)
http://www.siemens.com/lowvoltage/catalogs
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5TT4431-5
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5TT4431-5
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TT4431-5
CAx-Online-Generator

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