SIEMENS

Data sheet 5TT4201-3

Switching relay with 1 NO Contact for 230 V AC 16 A Control 12V AC



Figure similar

Model	
Product brand name	SENTRON
Product designation	Switching relays
Design of the product	With 1 NO
Design of the switching function	1 NO

General technical data	
Operating range factor / of control voltage_1	0.8
Electrical endurance (switching 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	3 V·A

Voltage	
Surge voltage resistance / rated value	4 kV
Supply voltage	250 V

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Supply voltage	
Supply voltage / minimum	250 V
Type of voltage / of the supply voltage	AC

Protection class	
Protection class IP	IP20, with connected conductors

Switching capacity	
Switching capacity apparent power	
• for uncompensated fluorescent lamp load	400 V·A
Switching capacity current / at cos phi 0.6	16 A
Switching capacity active power / with filament lamp load	1 200 W

Dissipation	
Power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	1 W
• at 16 A / per contact / rated value	1 W
• of magnet coil / with pulse / rated value	2.4 W

Main circuit	
Operating frequency / rated value	50 Hz
Operating voltage / at AC / rated value / maximum	250 V
Operating current	
• rated value	16 A
• at cos phi 0.6 ... 1 / rated value	16 A

Control current	
Type of voltage	
• of control voltage_1	AC
Control voltage	
• _1 / initial value	12 V
• _1 / Full-scale value	12 V
Control voltage frequency	
• _1 / initial value	50 Hz
• _1 / Full-scale value	50 Hz
Operating range factor / of control voltage_2	1.1

Product function	
Product function / direct operation	Yes

Inputs Outputs	
Relay design	partially electronic

Number	
Number of terminals / with cross-head screw	1

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Number of NC contacts	0
Number of NO contacts	1
Number of CO contacts	0

Connections

Connectable conductor cross-section	
• for flexible conductor / with core end processing	
— minimum	1 mm²
— maximum	6 mm²
• for rigid conductor	
— minimum	1 mm²
— maximum	6 mm²

Mechanical Design

Width of opening / of the contacts	1.2 mm
Mounting position	any
Installation depth	90 mm
Number of width units	1
Mounting type	DIN rail
Required spacing / for live parts	6 mm

Environmental conditions

Ambient temperature	
• minimum	-10 °C
• maximum	40 °C

Certificates

General Product Approval			Declaration of Conformity	Test Certificates
CCC	VDE	Miscellaneous	EG-Konf.	Miscellaneous

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=5TT4201-3

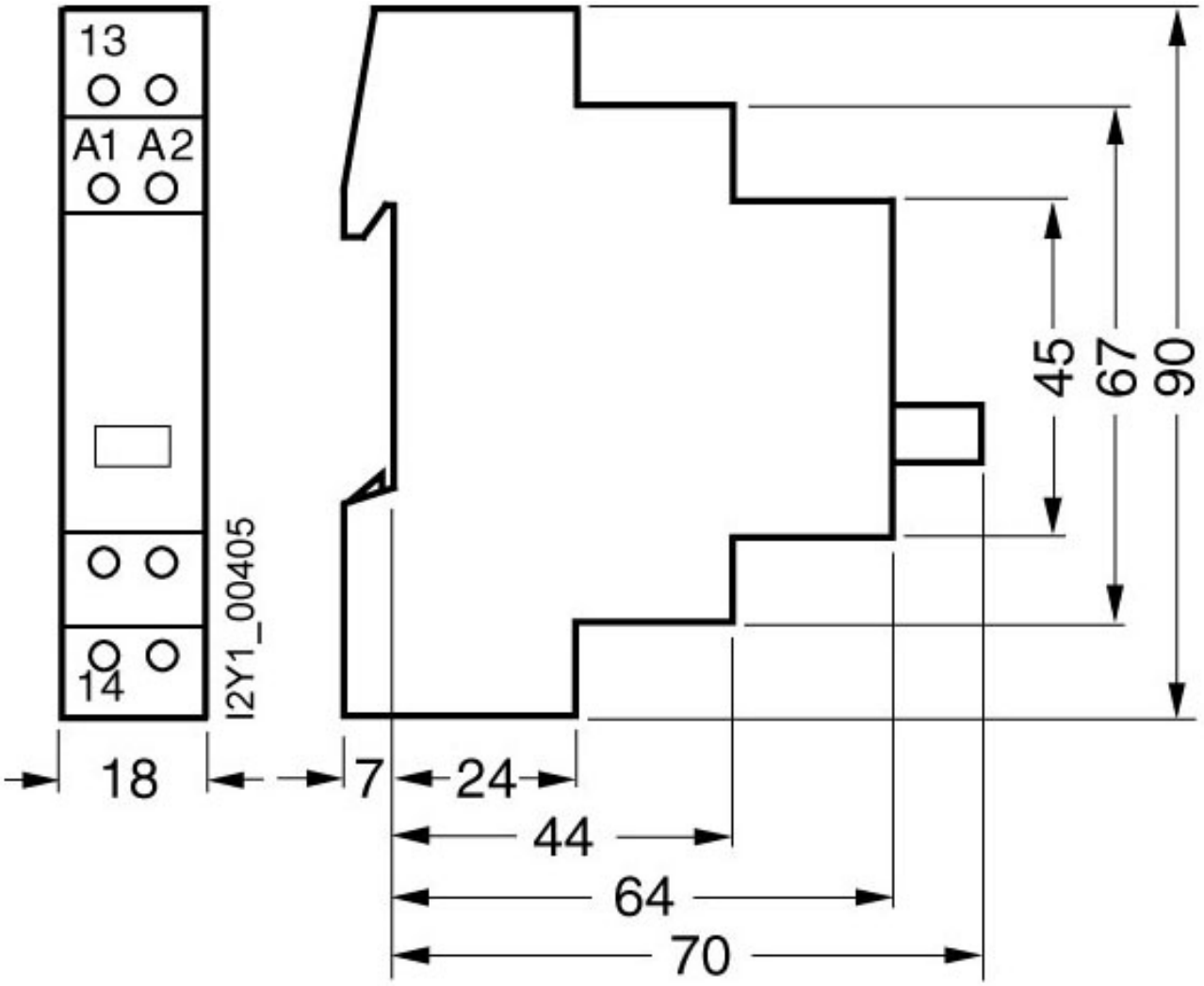
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5TT4201-3

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TT4201-3

CAx-Online-Generator
http://www.siemens.com/cax

Tender specifications
http://www.siemens.com/specifications

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