SIEMENS

Product data sheet 5TT4142-3



REMOTE SWITCH WITH 2 NO WITH JALOUSIE CONTROL CONTACT FOR AC 230, 400V 16A CONTROL AC 12V

Similar to image

| Technical data: | | |
|---|----|----------|
| Latching relay design | | others |
| Mounting type | | DIN rail |
| Number of NC contacts | | 0 |
| Number of NO contacts | | 2 |
| Number of change-over switches | | 0 |
| Width of opening / of contacts | mm | 1.2 |
| Stipulated clearance to live parts | mm | 6 |
| Switching current / with AC / per contact / minimum | mA | 100 |
| Switching voltage / of contacts / with AC / minimum | V | 10 |
| Type of voltage | | AC |
| Voltage type / of control voltage_1 | | AC |
| Control voltage/ _1 / final value | | |
| • initial value | V | 9.6 |
| • | V | 13.2 |
| • setpoint | V | 12 |
| Operating range factor control supply voltage rated value / at 50 Hz / for AC | | |
| • initial value | | 0.8 |

| Supply voltage Breaking capacity current nominal value at cos phi 0.6 A 16 Switching capacity real power / for filament lamp load W 2,000 Switching capacity apparent power for uncorrected fluorescent lamp load with DUO circuit for fluorescent lamp load with DUO circuit for fluorescent lamp load with parallel compensation Control voltage frequency / 1 initial value Inpulse voltage resistance / rated value Apparent power loss / of magnet coil / with pulse / rated value Apparent power loss / of magnet coil / with pulse / rated value Active power loss / at 16 A / per contact / rated value Number of width units Product function / direct operation Product component / switch position indicator Mounting depth Mounting depth Mounting depth Galvanic isolation / between magnet coil and contact Design of continuous voltage fuse Pulse duration / minimum Electrical endurance (operating cycles) Number of terminals Conductor cross section that can be connected for rigid conductor with wire end processing Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature 'C -10 +40 IP20, with connected conductors any | • final value | | 1.1 |
|--|---|-----|---------------------------------|
| nominal value at cos phi 0.6 A 16 Switching capacity real power / for filament lamp load W 2,000 Switching capacity apparent power for uncorrected fluorescent lamp load v-A 500 for fluorescent lamp load with DUO circuit v-A 900 for fluorescent lamp load with parallel compensation Control voltage frequency / _1 initial value final value final value final value final value final value final value Apparent power loss / of magnet coil / with pulse / rated value Active power loss / at 16 A / per contact / rated value Number of width units 1 Product function / direct operation Product component / switch position indicator Mounting height mm 90 Mounting depth Mounting depth Mounting depth Mounting depth Solo Electrical endurance (operating cycles) Number of terminals Conductor cross section that can be connected for figid conductor Lord under component / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature Protection class IP Protection class IP | Supply voltage | V | 250 250 |
| - at cos phi 0.6 A 16 Switching capacity real power / for filament lamp load W 2,000 Switching capacity apparent power - for uncorrected fluorescent lamp load V-A 500 - for fluorescent lamp load with DUO circuit V-A 900 - for fluorescent lamp load with DUO circuit V-A 900 - for fluorescent lamp load with DUO circuit V-A 400 Control voltage frequency / 1 - initial value Hz 50 - initial value Hz 50 - Impulse voltage resistance / rated value Hz 50 - Impulse voltage resistance / rated value W 4 - Apparent power loss / of magnet coil / with pulse / rated value W 1.2 - Number of width units 1 1 - Product function / direct operation Yes - Product function / direct operation Yes - Mounting height mm 90 - Mounting depth mm 70 - Galvanic isolation / between magnet coil and contact Yes - Pulse duration / minimum ms 50 - Electrical endurance (operating cycles) - Number of terminals - Conductor cross section that can be connected - for rigid conductor - vith wire end processing - Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 - Ambient temperature - Protection class IP - In a 16 - Sound - Soun | Breaking capacity current | | |
| Switching capacity real power / for filament lamp load W 2,000 Switching capacity apparent power • for uncorrected fluorescent lamp load • for fluorescent lamp load with DUO circuit • for fluorescent lamp load with DUO circuit • for fluorescent lamp load with parallel compensation Control voltage frequency / _1 • initial value • final value Hz 50 Impulse voltage resistance / rated value Apparent power loss / of magnet coil / with pulse / rated value Active power loss / at 16 A / per contact / rated value Number of width units Product function / direct operation Product component / switch position indicator Mounting depth Mounting depth Mounting depth Galvanic isolation / between magnet coil and contact Pulse duration / minimum Electrical endurance (operating cycles) Number of terminals Conductor cross section that can be connected • for rigid conductor • with wire end processing Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature Protection class IP Formation in the service of the service of the service of the conductors Protection class IP ### 12 | • nominal value | Α | 16 |
| Switching capacity apparent power • for uncorrected fluorescent lamp load • for fluorescent lamp load with DUO circuit • for fluorescent lamp load with DUO circuit • for fluorescent lamp load with parallel compensation Control voltage frequency / _1 • initial value • final value Apparent power loss / or magnet coil / with pulse / rated value V-A 7 Active power loss / at 16 A / per contact / rated value W 1.2 Number of width units 1 Product function / direct operation Yes Wounting height mm 90 Mounting height mm 70 Galvanic isolation / between magnet coil and contact Pesign of continuous voltage fuse Pulse duration / minimum Electrical endurance (operating cycles) Number of terminals Conductor cross section that can be connected • for rigid conductor Conductor cross section that can be connected / for flexible conductor • with wire end processing Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature Protection class IP Figure 4 *V-A 50 *V-A ** **O ** **O **O ** **O **O | • at cos phi 0.6 | Α | 16 |
| * for uncorrected fluorescent lamp load * for fluorescent lamp load with DUO circuit * for fluorescent lamp load with parallel compensation Control voltage frequency / _1 * initial value * final value * Apparent power loss / or magnet coil / with pulse / rated value * Apparent power loss / at 16 A / per contact / rated value * V-A Active power loss / at 16 A / per contact / rated value Number of width units * 1 Product function / direct operation Product component / switch position indicator Mounting height * mm * 90 Mounting depth * mm * 70 Galvanic isolation / between magnet coil and contact Design of continuous voltage fuse Pulse duration / minimum * so Electrical endurance (operating cycles) Number of terminals Conductor cross section that can be connected * for rigid conductor Conductor cross section that can be connected / for flexible conductor * with wire end processing Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature Protection class IP **C **O **O **O **O **O **O ** | Switching capacity real power / for filament lamp load | W | 2,000 |
| • for fluorescent lamp load with DUO circuit • for fluorescent lamp load with parallel compensation Control voltage frequency / _1 • initial value • final value • final value • final value Impulse voltage resistance / rated value Apparent power loss / of magnet coil / with pulse / rated value Apparent power loss / of magnet coil / with pulse / rated value Apparent power loss / at 16 A / per contact / rated value W 1.2 Number of width units Product function / direct operation Product component / switch position indicator Mounting height Mounting depth Galvanic isolation / between magnet coil and contact Pesign of continuous voltage fuse Pulse duration / minimum ms 50 Electrical endurance (operating cycles) Number of terminals Conductor cross section that can be connected • for rigid conductor • with wire end processing Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature Protection class IP Pizo, with connected conductors | Switching capacity apparent power | | |
| for fluorescent lamp load with parallel compensation Control voltage frequency / _1 initial value final value initial v | for uncorrected fluorescent lamp load | V-A | 500 |
| Control voltage frequency / _1 • initial value • final value • final value • final value Hz 50 Impulse voltage resistance / rated value KV 4 Apparent power loss / of magnet coil / with pulse / rated value V·A 7 Active power loss / at 16 A / per contact / rated value W 1.2 Number of width units 1 Product function / direct operation Yes Product component / switch position indicator Yes Mounting height mm 90 Mounting depth mm 70 Galvanic isolation / between magnet coil and contact Yes Pulse duration / minimum ms 50 Electrical endurance (operating cycles) 50,000 Number of terminals 6 Conductor cross section that can be connected • for rigid conductor mm² 1.5 6 Conductor cross section that can be connected / for flexible conductor • with wire end processing mm² 1 6 Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature °C -10 +40 Protection class IP IP20, with connected conductors | • for fluorescent lamp load with DUO circuit | V-A | 900 |
| initial value ifinal value | for fluorescent lamp load with parallel compensation | V-A | 400 |
| Impulse voltage resistance / rated value Apparent power loss / of magnet coil / with pulse / rated value Active power loss / at 16 A / per contact / rated value Active power loss / at 16 A / per contact / rated value Number of width units Product function / direct operation Product component / switch position indicator Mounting height Mounting depth Mounting depth Galvanic isolation / between magnet coil and contact Pesign of continuous voltage fuse Pulse duration / minimum Electrical endurance (operating cycles) Number of terminals Conductor cross section that can be connected • for rigid conductor • with wire end processing Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature Protection class IP I 2. 4 4 4 4 4 4 4 4 4 4 4 4 | Control voltage frequency / _1 | | |
| Impulse voltage resistance / rated value Apparent power loss / of magnet coil / with pulse / rated value Active power loss / at 16 A / per contact / rated value Number of width units Product function / direct operation Product component / switch position indicator Mounting height Mounting depth Galvanic isolation / between magnet coil and contact Design of continuous voltage fuse Pulse duration / minimum Electrical endurance (operating cycles) Number of terminals Conductor cross section that can be connected • for rigid conductor • with wire end processing Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature Protection class IP Number of terminals Po Conductor substantial with connected conductors Po Conductor cross section that can be connected of Conductor cross section that can be connect | • initial value | Hz | 50 |
| Apparent power loss / of magnet coil / with pulse / rated value Active power loss / at 16 A / per contact / rated value W 1.2 Number of width units Product function / direct operation Product component / switch position indicator Mounting height Mounting depth Mounting depth Mounting depth Mounting of continuous voltage fuse Pulse duration / minimum Electrical endurance (operating cycles) Number of terminals Conductor cross section that can be connected • for rigid conductor • with wire end processing Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature Protection class IP Protection class IP | • final value | Hz | 50 |
| Active power loss / at 16 A / per contact / rated value Number of width units Product function / direct operation Product component / switch position indicator Mounting height Mounting depth Mounting depth Mounting depth Mounting of continuous voltage fuse Pulse duration / minimum Mousting duration / minimum Mouse of terminals Conductor cross section that can be connected • for rigid conductor • with wire end processing Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature Protection class IP I 1.2 1.2 1.2 1.2 1.2 1.2 1.3 1.4 1.5 1.5 1.6 1.5 1.6 1.6 1.6 1.7 1.6 1.6 1.7 1.8 1.9 1.9 1.9 1.0 1.0 1.1 1.1 1.1 | Impulse voltage resistance / rated value | kV | 4 |
| Number of width units Product function / direct operation Product component / switch position indicator Mounting height Mounting depth Mounting depth Mounting of continuous voltage fuse Pulse duration / minimum Electrical endurance (operating cycles) Number of terminals Conductor cross section that can be connected * for rigid conductor * with wire end processing Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature Protection class IP Imma | Apparent power loss / of magnet coil / with pulse / rated value | V-A | 7 |
| Product function / direct operation Product component / switch position indicator Mounting height mm 90 Mounting depth mm 70 Galvanic isolation / between magnet coil and contact Pesign of continuous voltage fuse Pulse duration / minimum ms 50 Electrical endurance (operating cycles) Number of terminals Conductor cross section that can be connected • for rigid conductor • with wire end processing Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature Protection class IP IP20, with connected conductors | Active power loss / at 16 A / per contact / rated value | W | 1.2 |
| Product component / switch position indicator Mounting height Mounting depth Mounting depth Galvanic isolation / between magnet coil and contact Design of continuous voltage fuse Pulse duration / minimum ms 50 Electrical endurance (operating cycles) Number of terminals Conductor cross section that can be connected • for rigid conductor • with wire end processing Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature Protection class IP Mounting height mm 90 Yes Yes Yes 90 6 6 50,000 1 6 6 Conductor cross section that can be connected / for flexible conductor mm² 1 6 35 Absolute temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature Protection class IP | Number of width units | | 1 |
| Mounting height mm 90 Mounting depth mm 70 Galvanic isolation / between magnet coil and contact Yes Design of continuous voltage fuse Yes Pulse duration / minimum ms 50 Electrical endurance (operating cycles) 50,000 Number of terminals 6 Conductor cross section that can be connected mm² 1.5 6 Conductor cross section that can be connected / for flexible conductor mm² 1 6 Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 °C 35 Ambient temperature °C -10 +40 Protection class IP IP20, with connected conductors | Product function / direct operation | | Yes |
| Mounting depth mm 70 Galvanic isolation / between magnet coil and contact Yes Design of continuous voltage fuse Yes Pulse duration / minimum ms 50 Electrical endurance (operating cycles) 50,000 Number of terminals 6 Conductor cross section that can be connected of rigid conductor mm² 1.5 6 Conductor cross section that can be connected / for flexible conductor of terminals of the conductor of the cond | Product component / switch position indicator | | Yes |
| Galvanic isolation / between magnet coil and contact Design of continuous voltage fuse Pulse duration / minimum ms 50 Electrical endurance (operating cycles) Number of terminals Conductor cross section that can be connected • for rigid conductor • with wire end processing Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature Protection class IP Yes Yes Yes Yes 1.4.6 Yes Yes 1.56 Co. 35 **C 35 **C 35 **In accordance with DIN 50015 **Protection class IP IP20, with connected conductors | Mounting height | mm | 90 |
| Design of continuous voltage fuse Pulse duration / minimum ms 50 Electrical endurance (operating cycles) Number of terminals Conductor cross section that can be connected • for rigid conductor • with wire end processing Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature Protection class IP Yes Yes Yes Yes The standard of the standar | Mounting depth | mm | 70 |
| Pulse duration / minimum Electrical endurance (operating cycles) Number of terminals Conductor cross section that can be connected • for rigid conductor • with wire end processing Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature Protection class IP ms 50 50,000 mm² 1.5 6 mm² 1.5 6 conductor mm² 1 6 conductor ° C -10 +40 IP20, with connected conductors | Galvanic isolation / between magnet coil and contact | | Yes |
| Electrical endurance (operating cycles) Number of terminals Conductor cross section that can be connected • for rigid conductor • with wire end processing Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature Protection class IP 50,000 6 1.5 6 mm² 1.5 6 conductor mm² 1 6 conductor °C 35 IP20, with connected conductors | Design of continuous voltage fuse | | Yes |
| Number of terminals Conductor cross section that can be connected • for rigid conductor • with wire end processing Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature Protection class IP 6 Incomparity of the connected of t | Pulse duration / minimum | ms | 50 |
| Conductor cross section that can be connected • for rigid conductor Conductor cross section that can be connected / for flexible conductor • with wire end processing Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature Protection class IP In 1.5 6 mm² 1 6 C 35 C -10 +40 IP20, with connected conductors | Electrical endurance (operating cycles) | | 50,000 |
| • for rigid conductor Conductor cross section that can be connected / for flexible conductor • with wire end processing mm² 1 6 Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature °C -10 +40 Protection class IP IP20, with connected conductors | Number of terminals | | 6 |
| Conductor cross section that can be connected / for flexible conductor • with wire end processing mm² 1 6 Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature °C -10 +40 Protection class IP IP20, with connected conductors | Conductor cross section that can be connected | | |
| conductor • with wire end processing mm² 1 6 Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature °C -10 +40 Protection class IP IP20, with connected conductors | • for rigid conductor | mm² | 1.5 6 |
| Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature °C -10 +40 Protection class IP IP20, with connected conductors | | | |
| Ambient temperature °C -10 +40 Protection class IP IP20, with connected conductors | with wire end processing | mm² | 1 6 |
| Protection class IP IP20, with connected conductors | · · · · · · · · · · · · · · · · · · · | °C | 35 |
| , | Ambient temperature | °C | -10 +40 |
| mounting position any | Protection class IP | | IP20, with connected conductors |
| | mounting position | | any |

Certificates/approvals:

General Product Approval

Declaration of Conformity







Further information:

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

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

Industry Mall (Online ordering system)

http://www.siemens.com/lowvoltage/mall

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

http://support.automation.siemens.com/WW/view/en/5TT4142-3/all

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

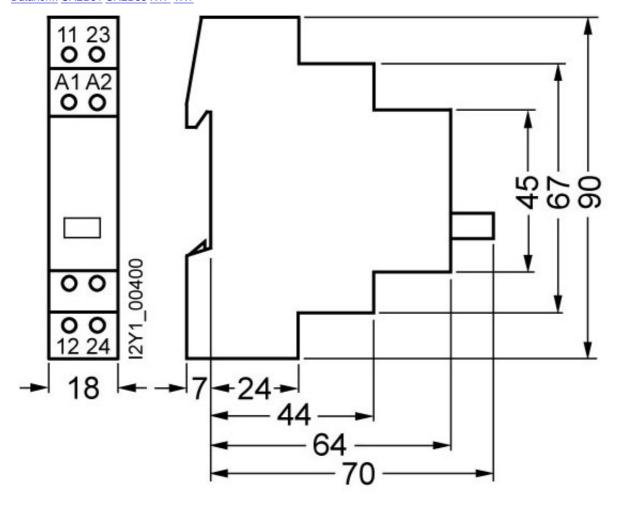
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TT4142-3

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

Datanorm GAEB81 GAEB83 RTF TXT



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