SIEMENS

Product data sheet 5TT4142-0



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

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	184
•	V	253
• setpoint	V	230
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 KV 4 Apparent power loss / of magnet coil / with pulse / rated value W 1.2 Active power loss / of magnet coil / with pulse / rated value W 1.2 Number of width units 1 1 Product function / direct operation Yes 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 Conductor cross section that can be connected - for flexible conductor - 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 / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature / with relative humidity 95% / in accordance with DIN 50015	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 W 1.2 Number of width units Product function / direct operation Product component / switch position indicator Mounting depth mm 90 Mounting depth mm 70 Galvanic isolation / between magnet coil and contact 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 mm² 1 6 Ambient temperature / with relative humidity 95% / in accordance with DIN 50015 Ambient temperature Protection class IP IP20, with connected conductors	• 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 ** 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 ** V-A 50 ** 40 ** 40 ** 4 ** 4 ** 4 ** 4 ** 4 ** 4 ** 4 ** 4 ** 4 ** 4 ** 4 ** 4 ** 7 ** 4 ** 7 ** 4 ** 7 ** 4 ** Yes ** Yes ** 90 *	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 Impulse voltage resistance / rated value Apparent power loss / of magnet coil / with pulse / rated value Apparent power loss / at 16 A / per contact / rated value Number of width units Froduct function / direct operation Froduct 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 Froduction / lamp load with parallel compensation V-A 400 400 400 400 400 400 400 400	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 • with wire end processing 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	• 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 cross section ductor * With connected conductors * Conductor cross section that can be connected / for flexible conductor * With wire end processing * Conductor cross section that can be connected / for flexible conductor * With wire end processing * Conductor cross section that can be connected / for flexible conductor * With wire end processing * Conductor cross section that can be connected / for flexible conductor * With wire end processing * Conductor cross section that can be connected / for flexible conductor * With wire end processing * Conductor cross section that can be connected / for flexible conductor * With wire end processing * Conductor cross section that can be connected / for flexible conductor * With wire end processing * Conductor cross section that can be connected / for flexible conductor * With wire end processing * Conductor cross section that can be connected / for flexible conductor * With wire end processing * Conductor cross section that can be connected / for flexible conductor * With wire end processing * Conductor cross section that can be connected / for flexible conductor * With wire end processing * Conductor cross section that can be connected / for flexible conductor * With wire end processing * Conductor cross section that can	• 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 Mousting duration / minimum Mousting duration / minimum Mousing of continuous voltage fuse Pulse duration / minimum Mousting duration / minimum Mousting duration / minimum Mousting depth Mounting de	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/5TT4142-0/all

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

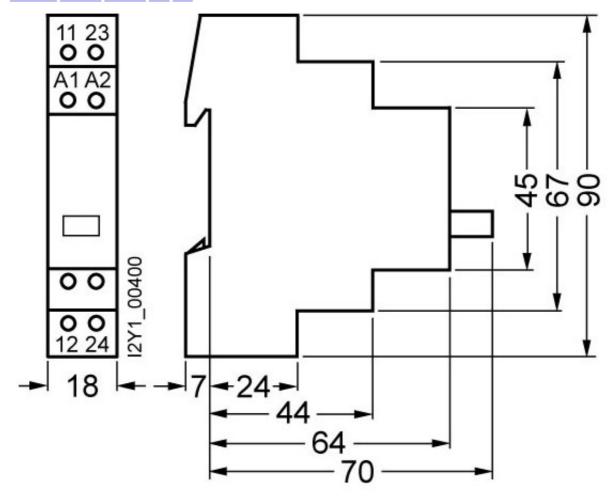
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TT4142-0

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

Datanorm GAEB81 GAEB83 RTF TXT



last change: Mar 31, 2014