SIEMENS

Data sheet 3RP2505-1CW30



Timing relay, Multifunction 1 NO semiconductor 13 functions 7 time ranges (0.05 s...100 h) 12-240 V AC/DC at 50/60 Hz AC with LED, Screw terminal

design of the product product 13 functions 3RP25 General technical data product component • relay output No • semi-conductor output Yes product extension required remote control No product extension optional remote control No power loss [M] maximum 2 W insulation voltage for isolation test 2.5 kW degree of pollution 3 surge voltage resistance rated value 4 000 V protection class IP IP20 shock resistance acc. to IEC 60068-2-27 11g / 15 ms vibration resistance acc. to IEC 60068-2-6 10 55 Hz / 0.35 mm mechanical service life (switching cycles) at AC-15 at 230 V typical 0 000 000 delectrical endurance (switching cycles) at AC-15 at 230 V typical 0 000 000 adjustable time 0 0.05 s 100 h relative setting accuracy relating to full-scale value 5 %; +/- minimum ON period 35 ms recovery time 4000 ms reference code acc. to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature 1% in the whole temperature range to the set runtime power supply influence 1% in the whole voltage range to the set runtime Substance Prohibitance (Date) 12.09.2014 Control circuit/ Control type of voltage of the control supply voltage AC/DC	product brand name	SIRIUS
Product type designation SRP25	product designation	timing relay
product component • relay output • semi-conductor output product extension required remote control power loss [W] maximum insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value test voltage for isolation test degree of pollution surge voltage resistance rated value protection class IP shock resistance acc. to IEC 60068-2-27 vibration resistance acc. to IEC 60068-2-6 mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time relative setting accuracy relating to full-scale value thermal current minimum ON period recovery time reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control	design of the product	13 functions
relay output • relay output • semi-conductor output Product extension required remote control power loss [W] maximum insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 arted value test voltage for isolation test degree of pollution surge voltage resistance rated value protection class IP IP20 shock resistance acc. to IEC 60068-2-27 vibration resistance acc. to IEC 60068-2-6 mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time relative setting accuracy relating to full-scale value thermal current minimum ON period recovery time reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control No Yes No Yes No Yes No Yes No No No No 2 W 300 V 1000	product type designation	3RP25
relay output semi-conductor output product extension required remote control product extension optional remote control power loss [W] maximum 2 W insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value test voltage for isolation test degree of pollution 3 surge voltage resistance rated value protection class IP shock resistance acc. to IEC 60068-2-27 vibration resistance acc. to IEC 60068-2-6 ind control class in in its whole temperature range to the set runtime Is in its whole voltage range to the set runtime Substance Prohibitance (Date) Control circuit/ Control	General technical data	
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product extension optional remote control power loss [W] maximum insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value test voltage for isolation test degree of pollution 3 surge voltage resistance rated value protection class IP shock resistance acc. to IEC 60068-2-27 11g / 15 ms vibration resistance acc. to IEC 60068-2-6 mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time relative setting accuracy relating to full-scale value thermal current minimum ON period reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) No 300 V 2 W 300 V 300 V 300 V 300 V 400 V 400 V 400 V 400 V 400 N 5 Hz/ 0.35 mm 400 N 5 Hz/ 0.35 mm 400 N 5 Hz/ 0.45 mm 400 ms 400	semi-conductor output	Yes
Insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value	product extension required remote control	No
insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value test voltage for isolation test degree of pollution 3 surge voltage resistance rated value protection class IP shock resistance acc. to IEC 60068-2-27 I1g / 15 ms vibration resistance acc. to IEC 60068-2-6 inchanical service life (switching cycles) typical electrical endurance (switching cycles) typical adjustable time adjustable time relative setting accuracy relating to full-scale value thermal current minimum ON period recovery time reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) 2.5 kV 2.5 kV 4.000 V 2.5 kV 4.000 V 4.000	product extension optional remote control	No
test voltage for isolation test degree of pollution surge voltage resistance rated value protection class IP shock resistance acc. to IEC 60068-2-27 vibration resistance acc. to IEC 60068-2-6 mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time relative setting accuracy relating to full-scale value thermal current The minimum ON period recovery time reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) 2.5 kV 4 000 V 2.5 kV 4 000 V 4 000 V 1 000 V 1 19/2 15 ms 1 10 000 000 300 000 300 000 300 000 300 000 4 000 ms 4 000	power loss [W] maximum	2 W
degree of pollution surge voltage resistance rated value protection class IP IP20 shock resistance acc. to IEC 60068-2-27 11g / 15 ms vibration resistance acc. to IEC 60068-2-6 10 55 Hz / 0.35 mm mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time relative setting accuracy relating to full-scale value thermal current 1 A minimum ON period 35 ms recovery time 400 ms reference code acc. to IEC 81346-2 K relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control		300 V
surge voltage resistance rated value protection class IP shock resistance acc. to IEC 60068-2-27 vibration resistance acc. to IEC 60068-2-6 mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time relative setting accuracy relating to full-scale value thermal current minimum ON period recovery time reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Ingle A 000 V protection class IP IP20 10 00 00 10 55 Hz / 0.35 mm 10 000 000 0.05 s 100 h 10 000 000 10 000 10 000 10 000 10 000 10 000 10 000 00	test voltage for isolation test	2.5 kV
protection class IP shock resistance acc. to IEC 60068-2-27 vibration resistance acc. to IEC 60068-2-6 10 55 Hz / 0.35 mm mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time relative setting accuracy relating to full-scale value thermal current minimum ON period recovery time reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) I 0 000 000 300 000 0 000 10 0	degree of pollution	3
shock resistance acc. to IEC 60068-2-27 vibration resistance acc. to IEC 60068-2-6 mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time adjustable time relative setting accuracy relating to full-scale value thermal current inimum ON period recovery time reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) 11g / 15 ms 11g / 15 ms 11g / 15 ms 10 55 Hz / 0.35 mm 10 000 000 300 000 14 000 5 %; +/- 1 A 400 ms reference code acc. to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature 1% in the whole temperature range to the set runtime 1% in the whole voltage range to the set runtime	surge voltage resistance rated value	4 000 V
vibration resistance acc. to IEC 60068-2-6 mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time adjustable time relative setting accuracy relating to full-scale value thermal current inimum ON period recovery time reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) 10 55 Hz / 0.35 mm 10 000 000 300 000 14	protection class IP	IP20
mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time relative setting accuracy relating to full-scale value thermal current 1 A minimum ON period 35 ms recovery time 400 ms reference code acc. to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature power supply influence Substance Prohibitance (Date) 10 000 000 300 000 10 000 10	shock resistance acc. to IEC 60068-2-27	11g / 15 ms
electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time clative setting accuracy relating to full-scale value thermal current thermal current infinimum ON period reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) 300 000 300 000 5 %; +/- 1 A 400 ms K Finity (Control circuit/ Control)	vibration resistance acc. to IEC 60068-2-6	10 55 Hz / 0.35 mm
adjustable time adjustable time clative setting accuracy relating to full-scale value thermal current inimum ON period recovery time reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control	mechanical service life (switching cycles) typical	10 000 000
relative setting accuracy relating to full-scale value thermal current 1 A minimum ON period 35 ms recovery time 400 ms reference code acc. to IEC 81346-2 relative repeat accuracy 1 %; +/- influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control	(300 000
thermal current minimum ON period 35 ms recovery time 400 ms reference code acc. to IEC 81346-2 K relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control	adjustable time	0.05 s 100 h
minimum ON period recovery time 400 ms reference code acc. to IEC 81346-2 K relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control	relative setting accuracy relating to full-scale value	5 %; +/-
recovery time 400 ms reference code acc. to IEC 81346-2 Relative repeat accuracy 1 %; +/- influence of the surrounding temperature power supply influence 1% in the whole temperature range to the set runtime 1% in the whole voltage range to the set runtime Substance Prohibitance (Date) 12.09.2014 Control circuit/ Control	thermal current	1 A
reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control	minimum ON period	35 ms
relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control	recovery time	400 ms
influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control	reference code acc. to IEC 81346-2	K
power supply influence 1% in the whole voltage range to the set runtime Substance Prohibitance (Date) 12.09.2014 Control circuit/ Control	relative repeat accuracy	1 %; +/-
Substance Prohibitance (Date) 12.09.2014 Control circuit/ Control	influence of the surrounding temperature	1% in the whole temperature range to the set runtime
Control circuit/ Control	power supply influence	1% in the whole voltage range to the set runtime
	Substance Prohibitance (Date)	12.09.2014
type of voltage of the control supply voltage AC/DC	Control circuit/ Control	
71	type of voltage of the control supply voltage	AC/DC
control supply voltage 1 at AC	control supply voltage 1 at AC	
• at 50 Hz 12 240 V	• at 50 Hz	12 240 V
• at 60 Hz 12 240 V	• at 60 Hz	12 240 V
control supply voltage frequency 1 50 60 Hz	control supply voltage frequency 1	50 60 Hz
control supply voltage 1	control supply voltage 1	
• at DC 12 240 V	• at DC	12 240 V

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operating range factor control supply voltage rated value at DC	
• initial value	0.8
• full-scale value	1.1
operating range factor control supply voltage rated value at AC at 50 Hz	
• initial value	0.8
• full-scale value	1.1
operating range factor control supply voltage rated value at AC at 60 Hz	
• initial value	0.8
• full-scale value	1.1
inrush current peak	
• at 24 V	0.5 A
• at 240 V	5 A
duration of inrush current peak	
• at 24 V	0.4 ms
• at 240 V	0.5 ms
Switching Function	
switching function	
ON-delay	Yes
ON-delay/instantaneous contact	No
passing make contact	Yes
passing make contact/instantaneous contact	No
OFF delay	No
switching function	
flashing symmetrically with interval start/instantaneous	No
flashing symmetrically with interval start	Yes
flashing symmetrically with pulse start/instantaneous	No
flashing symmetrically with pulse start	Yes
flashing asymmetrically with interval start	No
flashing asymmetrically with pulse start	No
switching function	
star-delta circuit with delay time	No
star-delta circuit	No
switching function with control signal	
additive ON-delay	Yes
passing break contact	Yes
passing break contact/instantaneous	No
OFF delay	Yes
OFF delay/instantaneous	No
pulse delayed	Yes
pulse delayed/instantaneous	No
• pulse-shaping	Yes
pulse-shaping/instantaneous	No
additive ON-delay/instantaneous	No
ON-delay/OFF-delay/instantaneous	No
passing make contact	Yes
passing make contact/instantaneous contact	No
switching function of interval relay with control signal	
retrotriggerable with deactivated control signal/instantaneous contact	No
retrotriggerable with switched-on control signal	Yes
retrotriggerable with switched-on control signal/instantaneous contact	No
retriggerable with deactivated control signal	Yes
design of the control terminal non-floating	Yes
	100
Short-circuit protection	fund all (aC): A A
design of the fuse link for short-circuit protection of the auxiliary switch required	fuse gL/gG: 4 A

number of NC contacts delayed switching number of NC contacts delayed switching operational current of auxiliary contacts at AC-15 * all 24 V * at 1250 V * oll 250 V * oll 25	Auxiliary circuit	
number of NO contacts delayed switching operational current of auxillary contacts at AC-15 aut 24 V at 25 V operational current of auxillary contacts at DC-12 at 26 V at 26 V at 26 V at 27 V at 25 V at 25 V beginning frequency with 3RT2 contactor maximum switching capacity current with inductive load operating frequency with 3RT2 contactor maximum switching capacity current with inductive load operating frequency with 3RT2 contactor maximum switching capacity current with inductive load operating frequency with 3RT2 contactor maximum switching capacity current with inductive load operating frequency with 3RT2 contactor maximum switching capacity current with inductive load operating frequency with 3RT2 contactor maximum switching capacity current with inductive load operating frequency with 3RT2 contactor maximum switching capacity current with inductive load operating frequency with 3RT2 contactor maximum switching capacity current with inductive load operating frequency with 3RT2 contactor maximum observed (and a contactor and a contactor operating and a control circuit operation and a contactor operating and a control circuit operation and a contactor operation and a	-	0
number of CO contacts delayed switching operational current of auxiliary contacts at AC-15 • all 26 V • all 250 V • all		
operational current of auxiliary contacts at AC-15 • at 250 V oprarional current of auxiliary contacts at DC-12 • at 250 V 1 A 1 A 1 125 V • at 250 V operating frequency with 3RT2 contactor maximum switching capacity current with inductive load operating frequency with 3RT2 contactor maximum switching capacity current with inductive load operating frequency with 3RT2 contactor maximum switching capacity current with inductive load on 1 1 A inputs Quitputs product function • at the relay outputs switchover delayed/without delay • non-volatille EMC mitted interference acc. to IEC 61812-1 conducted interference acc. to IEC 61812-1 conducted interference acc. to IEC 61800-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 • due to conductor-card surge acc. to IEC 61000-4-3 • due to conductor-card surge acc. to IEC 61000-4-3 • due to conductor-card surge acc. to IEC 61000-4-3 • due to conductor-card surge acc. to IEC 61000-4-3 • due to conductor-card surge acc. to IEC 61000-4-3 • due to conductor-card surge acc. to IEC 61000-4-3 • due to conductor-card surge acc. to IEC 61000-4-3 • due to conductor-card surge acc. to IEC 61000-4-3 • due to conductor-card surge acc. to IEC 61000-4-3 • due to conductor-card surge acc. to IEC 61000-4-3 • due to conductor-card surge acc. to IEC 61000-4-3 • due to conductor-card surge acc. to IEC 61000-4-3 • due to conductor-card surge acc. to IEC 61000-4-3 • due to conductor-card surge acc. to IEC 61000-4-3 • due to conductor-card surge acc. to IEC 61000-4-3 • fall-dased interference acc. to IEC 61000-4-3 • due to conductor-card surge acc. to IEC 61000-4-3 • fall-dased interference acc. to IEC 6100		
* alt 28 V		
e at 250 V operational current of auxillary contacts at DC-12 e at 24 V e at 125 V 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	· · ·	1 A
operating frequency with 3RT2 contactor maximum avticibing capacity current with inductive load operating frequency with 3RT2 contactor maximum switching capacity current with inductive load operating frequency with 3RT2 contactor maximum switching capacity current with inductive load onon-violatile at the relay outputs switchover delayed/without delay enon-violatile enon-vi		
at 24 V at 125 V at 250 V 1A at 125 V at 250 V 1A by at 250 V 1A by at 250 V 1A		
* at 125 V * at 250 V * operating frequency with 3RT2 contactor maximum * switching capacity current with inductive load * operating frequency with 3RT2 contactor maximum * switching capacity current with inductive load * operating frequency with 3RT2 contactor maximum * operating frequency with 3RT2 contactor maximum * operating frequency with inductive load * operating frequency with inductive load induction i		1 A
a t 250 V overlating frequency with 3RT2 contactor maximum switching capacity current with inductive load optimized control of the relation o		
switching capacity current with inductive load Inputs/ Outputs at the relay outputs switchover delayed/without delay non-volatile No residual current maximum Electroniagnotic compatibility EMC emitted interference acc. to IEC 61812-1 EMC immunity acc. to IEC 61812-1 conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-conductor surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-3 • due to conductor-conductor surge acc. to IEC 61000-4-2 • field-based interference acc. to IEC 61000-4-3 • due to conductor-conductor surge acc. to IEC 61000-4-2 * KV contact discharge acc. to IEC 61000-4-3 • field-based interference acc. to IEC 61000-4-2 * Viv. contact discharge (8 kV air discharge) * Sefety related data protection class IP on the front acc. to IEC 60529 actegory acc. to EN 984-1 product component removable terminal for auxiliary and control circuit Uppe of electrical connection for auxiliary and control circuit Uppe of electrical connection for auxiliary and control circuit Uppe of selectrical connection for auxiliary and control circuit Uppe of selectrical connection for auxiliary and control circuit Uppe of selectrical connection for auxiliary and control circuit Uppe of selectrical connection for auxiliary and control circuit Uppe of selectrical connection for auxiliary and control circuit Uppe of selectrical connection for auxiliary and control circuit Uppe of selectrical connection for auxiliary and control circuit Uppe of selectrical connection for auxiliary and control circuit Uppe of selectrical connection for auxiliary and control circuit Uppe of selectrical connection for auxiliary and control circuit Uppe of selectrical connection for auxiliary and control circuit Uppe of selectrical connection for auxiliary and control circuit Uppe of selectrical connection for auxiliary and control circuit Uppe of selectrical connection for auxiliary and control circuit Uppe of selectrical connection for auxiliary and control		1A
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product function • at the relay outputs switchover delayed/without delay non-volatile residual current maximum 0.5 mA Electromagnetic compatibility EMC emitted interference acc. to IEC 61812-1 e due to bust acc. to IEC 61812-1 conducted interference • due to bust acc. to IEC 61000-4-4 • due to conductor-earth surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 • due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-2 • due to conductor-conductor surge acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 field-based interference acc. to IEC 61000-4-2 electrostatic discharge acc. to IEC 61000-4-2 field-based interference acc. to IEC 61000-4-2 electrostatic discharge acc. to IEC 61000-4-2 alectrostatic discharge acc. to IEC 61000-4-2 to Ak Vi contact discharge / 8 kV air discharge safety related data protection class IP on the front acc. to IEC 60529 category acc. to EN 954-1 none connections/ Terminals reproduct component removable terminal for auxillary and control circuit type of connectable conductor cross-sections • solid • finely standed with core end processing • at AWG cables sarianded connectable conductor cross-acction • solid • at AWG cables sarianded connectable conductor cross-acction • solid • stranded connectable conductor cross-acction • solid • stranded design of the thread of the connection screw M3 MS maunting position fastening method height • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • owners • owners • owners • owners first fir		
e at the relay outputs switchover delayed/without delay e non-volatile non-volatile No		
e non-volatile non-volatile residual current maximum D.5 mA Electromagnetic compatibility EMC emitted interference acc. to IEC 61812-1 end to burst acc. to IEC 61812-1 conducted interference due to burst acc. to IEC 61000-4-5 due to conductor-conductor surge acc. to IEC 61000-4-5 due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 10 V/m electrostatic discharge acc. to IEC 61000-4-2 A kV contact discharge / 8 kV air discharge Safety related data protection class IP on the front acc. to IEC 60529 category acc. to EN 954-1 connections/ Terminals product component removable terminal for auxiliary and control circuit type of connectable conductor cross-sections solid finely stranded with core end processing at AWC cables solid at AWC cables stranded solid finely stranded with core end processing solid finely stranded with core end pro	•	No
residual current maximum Electromagnetic compatibility EMC emitted interference acc. to IEC 61812-1 e. due to burst acc. to IEC 61000-4-4 e. due to conductor-conductor surge acc. to IEC 61000-4-5 e. due to conductor-conductor surge acc. to IEC 61000-4-5 e. due to conductor-conductor surge acc. to IEC 61000-4-5 e. due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 electrostatic discharge acc. to IEC 60529 rone connections/ Terminals product component removable terminal for auxiliary and control circuit type of connectable conductor cross-sections e solid e finely stranded with core end processing at AWC cables stranded connectable conductor cross-section e solid e at AWC cables stranded connectable conductor cross-section e solid e finely stranded with core end processing AWG number as coded connectable conductor cross-section e solid e stranded elegin of the thread of the connection screw M3 Installation/ mounting/ dimensions mounting position amy frastening method height evith side-by-side mounting	· · · · · · · · · · · · · · · · · · ·	
Electromagnetic compatibility EMC emitted interference acc. to IEC 61812-1 conducted interference due to burst acc. to IEC 61000-4-4 due to conductor-earth surge acc. to IEC 61000-4-5 due to conductor-conductor surge acc. to IEC 61000-4-5 due to conductor-conductor surge acc. to IEC 61000-4-5 due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 safety related data protection class IP on the front acc. to IEC 60529 protection class IP on the front acc. to IEC 60529 category acc. to EN 354-1 connections/ Terminals product component removable terminal for auxillary and control circuit type of electrical connection for auxillary and control circuit type of connectable conductor cross-sections solid at AWG cables stranded connectable conductor cross-section solid finely stranded with core end processing at AWG cables stranded connectable conductor cross-section solid finely stranded with core end processing AWO number as coded connectable conductor cross-section solid finely stranded with core end processing stranded tightening torque design of the thread of the connection screw M3 Installation/ mounting / dimensions mounting position fastening method height with side-by-side mounting or forwards	non-volatile	No
EMC emitted interference acc. to IEC 61812-1 EMC immunity acc. to IEC 61812-1 conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor conductor surge acc. to IEC 61000-4-5 • due to conductor-earth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-3 • due to conductor-conductor surge acc. to IEC 61000-4-3 • delectrostatic discharge acc. to IEC 61000-4-2 Safoty related data protection class IP on the front acc. to IEC 60529 IP20 category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables solid • at AWG cables stranded • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid •	residual current maximum	0.5 mA
EMC immunity acc. to IEC 61812-1 conducted interference	Electromagnetic compatibility	
conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-endrath surge acc. to IEC 61000-4-5 • due to conductor-endrath surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-3 • field-based interference acc. to IEC 61000-4-2 • letertorstatic discharge acc. to IEC 61000-4-2 • kV contact discharge / 8 kV air discharge Safety related data protection class IP on the front acc. to IEC 60529 category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxilliary and control circuit type of electrical connection for auxilliary and control circuit type of electrical connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • finely stranded with core end processing AWG number as coded connectable conductor cross-section • solid • finely stranded the connectable conductor cross-section • solid • soli	EMC emitted interference acc. to IEC 61812-1	ambience A (industrial sector)
• due to burst acc. to IEC 61000-4-4 • due to conductor-earth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-3 • fleld-based interference acc. to IEC 61000-4-3 • fleld-based interference acc. to IEC 61000-4-2 • Safety related data protection class IP on the front acc. to IEC 60529 category acc. to EN 954-1 connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables stranded • at AWG cables stranded • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • solid • solid • finely stranded with core end processing • solid • solid • solid • finely stranded with core end processing • solid • s	EMC immunity acc. to IEC 61812-1	corresponds to degree of severity 3
• due to conductor-earth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 protection class IP on the front acc. to IEC 60529 category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxilliary and control circuit type of electrical connection for auxilliary and control circuit type of electrical connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • solid • finely stranded with core end processing • solid • stranded instanded instand	conducted interference	
e due to conductor-conductor surge acc. to IEC 61000-4-3 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Safety related dat protection class IP on the front acc. to IEC 60529 category acc. to EN 954-1 connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections e solid finely stranded with core end processing at AWG cables solid finely stranded with core end processing e at AWG cables stranded finely stranded with core end processing e finely stranded with core end processing finely stranded with core end processing e solid finely stranded with core end processing finely stranded with core end processing e solid finely stranded with core end processing finely stranded with core end processing e solid finely stranded with core end processing finely stranded with core end processing finely stranded with core end processing e solid finely stranded with core end processing e solid finely stranded with core end processing finely stranded with core end proce	due to burst acc. to IEC 61000-4-4	2 kV network connection / 1 kV control connection
field-based interference acc. to IEC 61000-4-3 field-based interference acc. to IEC 61000-4-2 Safety related data protection class IP on the front acc. to IEC 60529 category acc. to EN 954-1 none Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • finely stranded with core end processing • Solid • finely stranded with core end processing • Solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded 20 12 stranded tightening torque design of the thread of the connection screw M3 Installation/ mounting/ dimensions mounting position fastening method height 100 mm width 17.5 mm depth • with side-by-side mounting • with side-by-side mounting • or mm	 due to conductor-earth surge acc. to IEC 61000-4-5 	2 kV
field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Safety related data protection class IP on the front acc. to IEC 60529 category acc. to EN 954-1 product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections solid efinely stranded with core end processing at AWG cables solid finely stranded with core end processing efinely stranded with core end processing finely stranded with core end processing efinely stranded with core end processing finely stranded with core end processing efinely stranded with core end processing finely stranded with core end processing efinely stranded with core end processing finely stranded with core end processing efinely stranded with core end processing finely stranded with core end processing AWG number as coded connectable conductor cross section efinely stranded finely stranded finely stranded finely stranded finely stranded with core end processing AWG number as coded connectable conductor cross section efinely stranded finely stranded fin		1 kV
electrostatic discharge acc. to IEC 61000-4-2 Safety related data protection class IP on the front acc. to IEC 60529 category acc. to EN 954-1 connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid finely stranded with core end processing at AWG cables stranded tx (20 42, 2x (20 14) • at AWG cables stranded tx (20 12), 2x (20 14) • at AWG cables stranded finely stranded with core end processing • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • finely stranded with core end processing AWG number as coded connectable conductor cross-section • solid • stranded 20 12 • stranded 20 14 tightening torque design of the thread of the connection screw M3 Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting • with side-by-side mounting - forwards 0 mm		40 V/m
Part		
protection class IP on the front acc. to IEC 60529 category acc. to EN 954-1 connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit screw-type terminals **Yes** **Job of connectable conductor cross-sections** **Solid** **Solid** **Solid** **Solid** **Solid** **Solid** **A WG cables solid** **A WG cables solid** **Solid** **Solid*		+ NV Contact discharge / o NV all discharge
category acc. to EN 954-1 none Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) • at AWG cables stranded in tx (20 12), 2x (20 14) • at AWG cables stranded 1x (20 12), 2x (20 14) • at AWG cables stranded 1x (20 12), 2x (20 14) • at AWG number as coded connectable conductor cross-section • solid 0.5 4 mm² AWG number as coded connectable conductor cross-section • solid 20 12 • stranded 20 14 tightening torque 0.6 0.8 N-m design of the thread of the connection screw M3 Installation/ mounting/ dimensions mounting position any fastening method screw and snap-on mounting onto 35 mm standard mounting rail height 100 mm width 17.5 mm gen mounting onto 35 mm standard mounting rail required spacing • with side-by-side mounting • forwards 0 mm	Salety related data	
Connections/ Terminals Product component removable terminal for auxiliary and control circuit Type of electrical connection for auxiliary and control circuit Screw-type terminals Type of electrical connection for auxiliary and control circuit Type of electrical connection for auxiliary and control circuit Type of electrical connection for auxiliary and control circuit Type of electrical connectable conductor cross-sections Solid Tx (0.5 4.0 mm²), 2x (0.5 2.5 mm²) Tx (0.5 4.0 mm²), 2x (0.5 1.5 mm²) Tx (20 12, 2x (20 14) Tx (20 12), 2x	must still a sleep ID and the formst and the IEO 00500	IDOO
product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded • stranded tightening torque design of the thread of the connection screw mounting position fastening method height in 0.5 4 mm² 20 12 20 14 tightening torque design of the thread of the connection screw mounting position fastening method height in 0.5 4 mm² 0.5 4	· .	
type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded • at AWG cables stranded • solid • finely stranded with core end processing • at AWG cables stranded • at AWG cables stranded • at AWG cables stranded • solid • finely stranded with core end processing • solid • solid • solid • stranded • stranded • tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions mounting position fastening method height vidth • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • on mounting value connection screw • with side-by-side mounting • on mm	category acc. to EN 954-1	
type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded • solid • at AWG cables stranded • solid • at AWG cables stranded • solid • solid • finely stranded with core end processing • solid • solid • finely stranded with core end processing • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • solid • stranded • stranded • stranded • stranded • stranded • stranded • solid • stranded • stranded • solid • stranded • solid • stranded • stranded • solid • stranded • solid • stranded • solid • stranded • solid • stranded • stranded • solid • stranded • stranded • solid • stranded • solid • stranded • stranded • solid • stranded • stranded • solid • stranded • solid • stranded • stranded • solid • stranded • stranded • stranded • stranded • solid • stranded • stranded • solid • stranded • solid • stranded • stranded • stranded • solid • stranded • stranded • solid • stranded • solid • stranded • solid • stranded • solid • solid • stranded • solid • so	category acc. to EN 954-1 Connections/ Terminals	none
* solid * finely stranded with core end processing * at AWG cables solid * at AWG cables stranded * at AWG cables stranded with core end processing * at AWG cables stranded with core end processing * at AWG cables stranded connectable conductor cross section * solid * at AWG cables stranded connectable conductor cross section * solid * at AWG cables stranded connectable conductor cross conductor cross section * solid * at AWG cables stranded * at	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit	none Yes
 finely stranded with core end processing at AWG cables solid at AWG cables stranded 1x (20 12), 2x (20 14) at AWG cables stranded 1x (20 12), 2x (20 14) connectable conductor cross-section solid finely stranded with core end processing AWG number as coded connectable conductor cross section solid solid stranded stranded tightening torque design of the thread of the connection screw mounting position fastening method screw and snap-on mounting onto 35 mm standard mounting rail height midth 17.5 mm depth o mm required spacing with side-by-side mounting o mm 	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit	none Yes
 at AWG cables solid at AWG cables stranded tx (20 12), 2x (20 14) at AWG cables stranded tx (20 12), 2x (20 14) connectable conductor cross-section solid finely stranded with core end processing AWG number as coded connectable conductor cross section solid solid stranded tightening torque design of the thread of the connection screw mounting position fastening method screw and snap-on mounting onto 35 mm standard mounting rail height height momm width 17.5 mm depth required spacing with side-by-side mounting o mm 	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	Yes screw-type terminals
at AWG cables stranded connectable conductor cross-section a solid a finely stranded with core end processing AWG number as coded connectable conductor cross section a solid b stranded connectable conductor cross section a solid connectable conductor cross section and and and and and and and a	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid	rone Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded • stranded • stranded • stranded • stranded • solid • stranded • strande	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing	none Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²)
solid finely stranded with core end processing AWG number as coded connectable conductor cross section solid solid stranded stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions mounting position fastening method height height width fastening method installation/ mounting/ dimensions mounting position fastening method installation/ mounting onto 35 mm standard mounting rail installation/ mounting onto 35 mm standard mounting	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid	none Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14)
• finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded • st	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded	none Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14)
AWG number as coded connectable conductor cross section • solid • stranded 20 12 • stranded tightening torque 0.6 0.8 N·m design of the thread of the connection screw M3 Installation/ mounting/ dimensions mounting position fastening method height 100 mm width 17.5 mm depth 90 mm required spacing • with side-by-side mounting — forwards 0 mm	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section	rone Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14)
section • solid • stranded 20 12 • stranded tightening torque design of the thread of the connection screw M3 Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting onto 35 mm standard mounting rail height 100 mm width 17.5 mm depth required spacing • with side-by-side mounting — forwards 0 mm	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid	rone Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm²
	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing	rone Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm²
● stranded tightening torque 0.6 0.8 N·m design of the thread of the connection screw Installation/ mounting/ dimensions mounting position fastening method height 100 mm width 17.5 mm depth 90 mm required spacing ● with side-by-side mounting — forwards 20 14 0.6 0.8 N·m M3 Installation/ mounting/ dimensions any screw and snap-on mounting onto 35 mm standard mounting rail 100 mm 0 mm	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross	rone Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm²
tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions mounting position fastening method height 100 mm width 17.5 mm depth required spacing with side-by-side mounting forwards 0.6 0.8 N·m M3 Any any screw and snap-on mounting onto 35 mm standard mounting rail 100 mm 0 mm	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm²
design of the thread of the connection screw Installation/ mounting/ dimensions mounting position any fastening method screw and snap-on mounting onto 35 mm standard mounting rail height 100 mm width 17.5 mm depth 90 mm required spacing • with side-by-side mounting — forwards 0 mm	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm²
mounting position any fastening method screw and snap-on mounting onto 35 mm standard mounting rail height 100 mm width 17.5 mm depth 90 mm required spacing • with side-by-side mounting — forwards 0 mm	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • solid • stranded	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14
fastening method screw and snap-on mounting onto 35 mm standard mounting rail height 100 mm width 17.5 mm depth 90 mm required spacing • with side-by-side mounting − forwards 0 mm	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N·m
fastening method screw and snap-on mounting onto 35 mm standard mounting rail height 100 mm width 17.5 mm depth 90 mm required spacing • with side-by-side mounting − forwards 0 mm	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque design of the thread of the connection screw	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N·m
width 17.5 mm depth 90 mm required spacing • with side-by-side mounting — forwards 0 mm	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N⋅m M3
depth 90 mm required spacing • with side-by-side mounting — forwards 0 mm	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N⋅m M3
required spacing • with side-by-side mounting — forwards 0 mm	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions mounting position fastening method	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N·m M3 any screw and snap-on mounting onto 35 mm standard mounting rail
 with side-by-side mounting forwards 0 mm 	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions mounting position fastening method height	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N·m M3 any screw and snap-on mounting onto 35 mm standard mounting rail 100 mm
— forwards 0 mm	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions mounting position fastening method height width	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N·m M3 any screw and snap-on mounting onto 35 mm standard mounting rail 100 mm 17.5 mm
	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions mounting position fastening method height width depth	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N·m M3 any screw and snap-on mounting onto 35 mm standard mounting rail 100 mm 17.5 mm
— backwards 0 mm	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N·m M3 any screw and snap-on mounting onto 35 mm standard mounting rail 100 mm 17.5 mm
	category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N·m M3 any screw and snap-on mounting onto 35 mm standard mounting rail 100 mm 17.5 mm 90 mm

— upwards	0 mm
— downwards	0 mm
— at the side	0 mm
 for grounded parts 	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— at the side	0 mm
— downwards	0 mm
for live parts	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	0 mm
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
 during operation 	-25 +60 °C
during storage	-40 +85 °C
during transport	-40 +85 °C
relative humidity during operation	10 95 %
Certificates/ approvals	



General Product Approval









EMC

Miscellaneous

Declaration of

Conformity

Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report









Marine / Shipping

other





Confirmation

Further information

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RP2505-1CW30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RP2505-1CW30

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

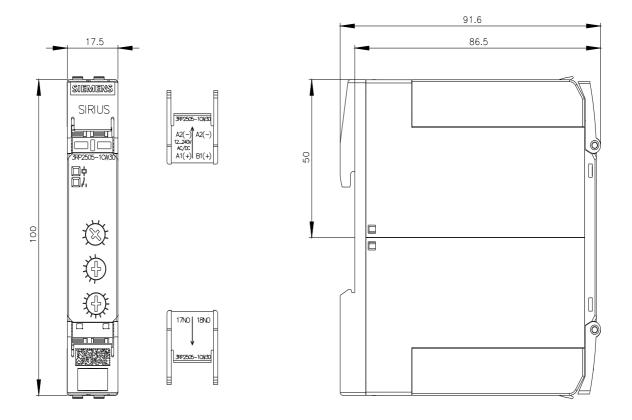
https://support.industry.siemens.com/cs/ww/en/ps/3RP2505-1CW30

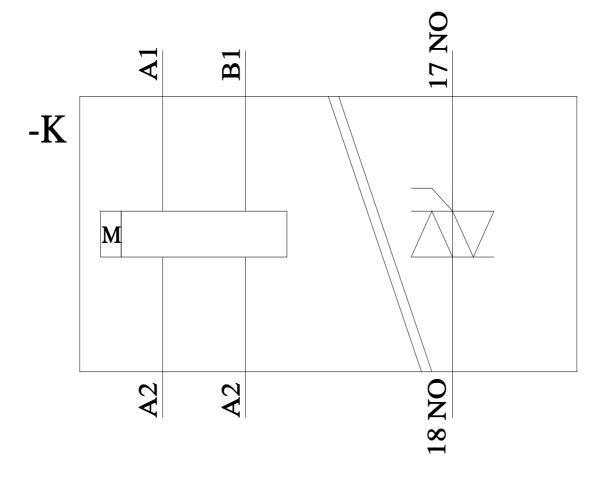
 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RP2505-1CW30&lang=en

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/3RP2505-1CW30/manual





last modified: 12/9/2021 🖸