SIEMENS

Data sheet 3RP2505-2AB30



Timing relay, Multifunction 1 change-over contact, 13 functions 7 time ranges (0.05 s...100 h) 24 V AC/DC at 50/60 Hz AC with LED Spring-type terminal (push-in)

product brand name product designation design of the product product type designation SIRIUS timing relay 13 functions 3RP25

Yes

No

No

No 2 W

300 V

2.5 kV

IP20

11g / 15 ms

10 000 000

0.05 s ... 100 h

100 000

5 %; +/-

150 ms

1 %; +/-

5 A 35 ms

10 ... 55 Hz / 0.35 mm

1% in the whole temperature range to the set runtime

1% in the whole voltage range to the set runtime

3 4 000 V

General technical data

	4
product	component

· relay output

• semi-conductor output

product extension required remote control

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

surge voltage resistance rated value

protection class IP

shock resistance according to IEC 60068-2-27

vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical

electrical endurance (operating cycles) at AC-15 at

230 V typical

adjustable time

recovery time

relative setting accuracy relating to full-scale value

thermal current minimum ON period

reference code according to IEC 81346-2

relative repeat accuracy

influence of the surrounding temperature

power supply influence **Substance Prohibitance (Date)**

Control circuit/ Control

09/12/2014

AC/DC

type of voltage of the control supply voltage

control supply voltage 1 at AC

• at 50 Hz rated value • at 60 Hz rated value

control supply voltage frequency 1

control supply voltage 1

• at DC rated value

operating range factor control supply voltage rated value at DC

24 V

24 V

50 ... 60 Hz

24 V

• initial value	0.85
full-scale value	1.1
operating range factor control supply voltage rated	
value at AC at 50 Hz	
• initial value	0.85
• full-scale value	1.1
operating range factor control supply voltage rated value at AC at 60 Hz	
• initial value	0.85
full-scale value	1.1
inrush current peak	
• at 24 V	2 A
duration of inrush current peak	
• at 24 V	1 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	N ₂
 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	Voc
additive ON-delaypassing break contact	Yes Yes
passing break contact 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 	No
signal/instantaneous contact	V
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
Short-circuit protection	
design of the fuse link for short-circuit protection of the auxiliary switch required	fuse gL/gG: 4 A
Auxiliary circuit	
	AgSnO2
material of switching contacts number of NC contacts	AgSnO2
delayed switching	0
instantaneous contact	0
number of NO contacts	

• Indisplay switching		
number of CO contacts	delayed switching	0
e lealyand switching instantaneous contact operational current of auxillary contacts at AC-15 at 24 V at 250 V operational current of auxillary contacts at DC-13 at 250 V operational current of auxillary contacts at DC-13 at 250 V operating frequency with 3RT2 contactor maximum contact relability of auxillary contacts contact rating of auxillary contacts collect function a at the relay outputs switchover delayed/without cellary contact function a at the relay outputs switchover delayed/without cellary contact function a talk prefly outputs switchover delayed/without cellary contact function but at the relay outputs switchover delayed/without cellary contact rating of auxillary ancording to IEC 61812-1 conducted interference conducted radiath surple according to IEC 61812-1 conducted interference according to IEC 61800-4-4 alou to conductor-auth surple according to IEC due to conductor conductor surple according to IEC due to conductor conductor surple according to IEC due to conductor conductor cross-acction acting to product to product to product to product to product to product	 instantaneous contact 	0
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type of insulation category according 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 • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • finely stranded without core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • solid • solid • stranded a stranded b stranded connectable conductor cross section • solid • stranded a stranded a stranded connectable conductor cross section • solid • stranded a stranded connectable conductor cross section • solid • stranded connectable conductor cross section a solid • stranded connectable conductor cross section • solid • stranded connectable conductor cross section a solid • stranded connectable conductor cross section • solid • stranded connectable conductor cross section a solid • stranded connectable conductor cross section a solid • stranded connectable conductor cross section a solid connectable conductor cross section a solid connectable conductor cross section a solid connectable conductor cross section connectable conductor cross section a solid connectable co		4 kV contact discharge / 8 kV air discharge
category according 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 • at AWG cables stranded • finely stranded with core end processing • at AWG cables stranded • at AWG cables stranded • finely stranded with core end processing • solid • finely stranded with core end processing • solid • stranded • strande	Safety related data	
product component removable terminal for auxiliary and control circuit type of electrical connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded • finely stranded with core end processing • solid • at AWG cables stranded • finely stranded with core end processing • at AWG cables stranded • at AWG cables stranded • solid • finely stranded with core end processing • solid • solid • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • solid • solid • solid • solid • solid • stranded 20 12 Installation/ mounting/ dimensions mounting position fastening method height width 100 mm 17.5 mm go mm	Safety related data protection class IP on the front according to IEC	
product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	Safety related data protection class IP on the front according to IEC 60529	IP20
product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	Safety related data protection class IP on the front according to IEC 60529 type of insulation	IP20 Basic insulation
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 • at AWG cables stranded • 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 • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • Solid • solid • stranded • stranded • stranded • stranded Installation/ mounting/ dimensions mounting position fastening method height width vidth 17.5 mm depth	Safety related data protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1	IP20 Basic insulation
type of connectable conductor cross-sections • solid • finely stranded with core end processing • finely stranded without core end processing • at AWG cables solid • 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 • finely stranded without core end processing • finely stranded without core end processing • solid • solid • stranded 20 12 AWG number as coded connectable conductor cross section • solid • stranded 20 12 • stranded 20 12 Installation/ mounting/ dimensions mounting position fastening method height width finely stranded 100 mm vidth depth 17.5 mm 90 mm	Safety related data protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals	IP20 Basic insulation none
type of connectable conductor cross-sections • solid • finely stranded with core end processing • finely stranded without core end processing • at AWG cables solid • 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 • finely stranded without core end processing • finely stranded without core end processing • solid • solid • stranded 20 12 AWG number as coded connectable conductor cross section • solid • stranded 20 12 • stranded 20 12 Installation/ mounting/ dimensions mounting position fastening method height width finely stranded 100 mm vidth depth 17.5 mm 90 mm	Safety related data protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary	IP20 Basic insulation none
solid finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing at AWG cables solid at AWG cables stranded at AWG cables stranded connectable conductor cross-section solid finely stranded with core end processing finely stranded with core end processing finely stranded without core end processing AWG number as coded connectable conductor cross section solid solid stranded zo 12 Installation/ mounting/ dimensions mounting position fastening method height width depth 100 mm 17.5 mm 90 mm	Safety related data protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit	IP20 Basic insulation none Yes
 finely stranded with core end processing finely stranded without core end processing at AWG cables solid at AWG cables stranded at AWG cables stranded with core end processing at A mm² <l< td=""><td>Safety related data protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit</td><td>IP20 Basic insulation none Yes</td></l<>	Safety related data protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit	IP20 Basic insulation none Yes
 finely stranded without core end processing at AWG cables solid at AWG cables stranded at AWG number as coded connectable conductor cross section a solid a solid a stranded a stranded any fastening method height width depth 90 mm 	Safety related data protection class IP on the front according to IEC 60529 type of insulation category according 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	IP20 Basic insulation none Yes spring-loaded terminals (push-in)
 at AWG cables solid at AWG cables stranded at AWG cables stranded connectable conductor cross-section solid finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing AWG number as coded connectable conductor cross section solid solid stranded stranded 120 12 Installation/ mounting/ dimensions mounting position fastening method height width depth 90 mm 	Safety related data protection class IP on the front according to IEC 60529 type of insulation category according 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	IP20 Basic insulation none Yes spring-loaded terminals (push-in) 0.5 4 mm²
 at AWG cables stranded connectable conductor cross-section solid finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing AWG number as coded connectable conductor cross section solid stranded stranded 12 stranded 12 stranded any fastening method height width depth 90 mm 	Safety related data protection class IP on the front according to IEC 60529 type of insulation category according 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	IP20 Basic insulation none Yes spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm²
connectable conductor cross-section • solid • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing AWG number as coded connectable conductor cross section • solid • stranded 20 12 • stranded Installation/ mounting/ dimensions mounting position fastening method height width theight width 17.5 mm depth	protection class IP on the front according to IEC 60529 type of insulation category according 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 • finely stranded without core end processing	IP20 Basic insulation none Yes spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm²
 solid finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing AWG number as coded connectable conductor cross section solid stranded stranded to 12 stranded lnstallation/ mounting/ dimensions mounting position fastening method height width width depth 90 mm 	Safety related data protection class IP on the front according to IEC 60529 type of insulation category according 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 • finely stranded without core end processing • at AWG cables solid	IP20 Basic insulation none Yes spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12
 finely stranded with core end processing finely stranded without core end processing AWG number as coded connectable conductor cross section solid stranded stranded 12 Installation/ mounting/ dimensions mounting position fastening method height width width depth 90 mm 	protection class IP on the front according to IEC 60529 type of insulation category according 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 • finely stranded without core end processing • at AWG cables solid • at AWG cables stranded	IP20 Basic insulation none Yes spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12
 finely stranded without core end processing AWG number as coded connectable conductor cross section solid stranded stranded 12 Installation/ mounting/ dimensions mounting position fastening method height width mounting mounting mounting mounting mounting mounting 	protection class IP on the front according to IEC 60529 type of insulation category according 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 • finely stranded without core end processing • at AWG cables solid • at AWG cables stranded	IP20 Basic insulation none Yes spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12
AWG number as coded connectable conductor cross section • solid • stranded 20 12 Installation/ mounting/ dimensions mounting position fastening method height width to mm width depth 20 12 100 12 20 12 20 12	protection class IP on the front according to IEC 60529 type of insulation category according 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 • finely stranded without core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section	IP20 Basic insulation none Yes spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12
AWG number as coded connectable conductor cross section • solid • stranded 20 12 Installation/ mounting/ dimensions mounting position fastening method height width to mm width depth 20 12 100 12 20 12 20 12	protection class IP on the front according to IEC 60529 type of insulation category according 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 • finely stranded without core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid	IP20 Basic insulation none Yes spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm²
● solid ● stranded 20 12 Installation/ mounting/ dimensions mounting position fastening method height width depth 20 12 20 12 Installation/ mounting/ dimensions any screw and snap-on mounting onto 35 mm DIN rail 100 mm 17.5 mm 90 mm	protection class IP on the front according to IEC 60529 type of insulation category according 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 • finely stranded without core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing	IP20 Basic insulation none Yes spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm² 0.5 2.5 mm²
● stranded 20 12 Installation/ mounting/ dimensions mounting position any screw and snap-on mounting onto 35 mm DIN rail height 100 mm width 17.5 mm depth 90 mm	protection class IP on the front according to IEC 60529 type of insulation category according 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 • finely stranded without core end processing • at AWG cables solid • 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	IP20 Basic insulation none Yes spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm² 0.5 2.5 mm²
Installation/ mounting/ dimensions mounting position fastening method height width to the position screw and snap-on mounting onto 35 mm DIN rail 100 mm 17.5 mm 17.5 mm 190 mm	protection class IP on the front according to IEC 60529 type of insulation category according 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	IP20 Basic insulation none Yes spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm² 0.5 2.5 mm²
mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail height width depth any screw and snap-on mounting onto 35 mm DIN rail 100 mm 17.5 mm 90 mm	protection class IP on the front according to IEC 60529 type of insulation category according 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 • finely stranded without core end processing • at AWG cables solid • 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 • finely stranded without core end processing • finely stranded without core end processing AWG number as coded connectable conductor cross section	IP20 Basic insulation none Yes spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 20 12 0.5 4 mm² 0.5 4 mm²
mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail height width depth any screw and snap-on mounting onto 35 mm DIN rail 100 mm 17.5 mm 90 mm	protection class IP on the front according to IEC 60529 type of insulation category according 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 • finely stranded without core end processing • at AWG cables solid • 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 • finely stranded without core end processing • finely stranded without core end processing AWG number as coded connectable conductor cross section • solid	IP20 Basic insulation none Yes spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 20 12 20 12 20 4 mm² 20.5 4 mm² 20.5 4 mm² 20.5 4 mm² 20.5 4 mm²
fastening methodscrew and snap-on mounting onto 35 mm DIN railheight100 mmwidth17.5 mmdepth90 mm	protection class IP on the front according to IEC 60529 type of insulation category according 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 • finely stranded without core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • finely stranded without core end processing AWG number as coded connectable conductor cross section • solid • stranded	IP20 Basic insulation none Yes spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 20 12 20 12 20 4 mm² 20.5 4 mm² 20.5 4 mm² 20.5 4 mm² 20.5 4 mm²
height 100 mm width 17.5 mm depth 90 mm	protection class IP on the front according to IEC 60529 type of insulation category according 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 • finely stranded without core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing AWG number as coded connectable conductor cross section • solid • stranded Installation/ mounting/ dimensions	IP20 Basic insulation none Yes spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm²
width 17.5 mm epth 90 mm	protection class IP on the front according to IEC 60529 type of insulation category according 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 • finely stranded without 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 Installation/ mounting/ dimensions mounting position	IP20 Basic insulation none Yes spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 20 12 0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 12 mm² 0.5 12 mm² 0.5 12 mm²
depth 90 mm	protection class IP on the front according to IEC 60529 type of insulation category according 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	IP20 Basic insulation none Yes spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 20 12 0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 0.5 2.5 mm² 0.5 2.5 mm² 0.5 4 mm²
	protection class IP on the front according to IEC 60529 type of insulation category according 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	IP20 Basic insulation none Yes spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 12 any screw and snap-on mounting onto 35 mm DIN rail 100 mm
required spacing	protection class IP on the front according to IEC 60529 type of insulation category according 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 • finely stranded without core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • finely stranded without core end processing AWG number as coded connectable conductor cross section • solid • stranded Installation/ mounting/ dimensions mounting position fastening method height width	IP20 Basic insulation none Yes spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 10.5 4 mm² 10.5 4 mm² 10.5 4 mm²
	protection class IP on the front according to IEC 60529 type of insulation category according 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 • finely stranded without core end processing • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing AWG number as coded connectable conductor cross section • solid • stranded Installation/ mounting/ dimensions mounting position fastening method height width depth	IP20 Basic insulation none Yes spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 10.5 4 mm² 10.5 4 mm² 10.5 4 mm²
with side-by-side mounting	protection class IP on the front according to IEC 60529 type of insulation category according 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 • finely stranded without 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 Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	IP20 Basic insulation none Yes spring-loaded terminals (push-in) 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 10.5 4 mm² 10.5 4 mm² 10.5 4 mm²

— forwards	0 mm
— backwards	0 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 %

General Product Approval

EMC



Certificates/ approvals



Confirmation







Declaration of Conformity

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other







Confirmation

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RP2505-2AB30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RP2505-2AB30

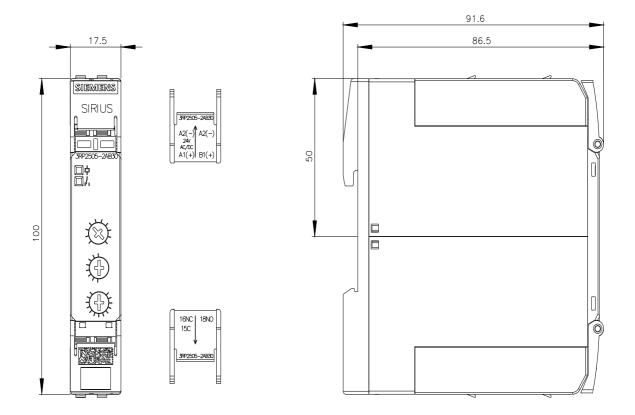
 $Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ FAQs, ...)$

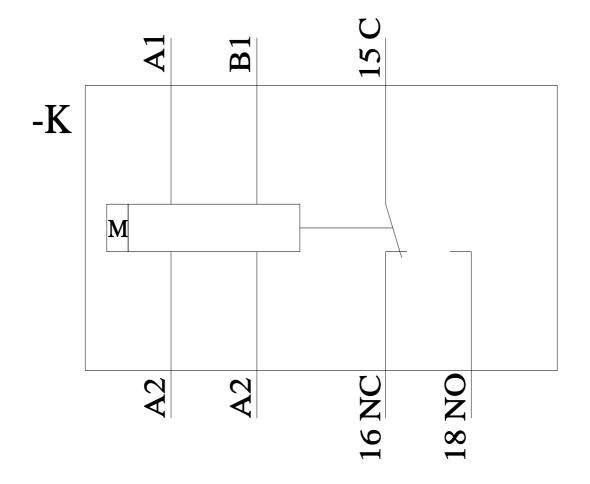
 $\underline{\text{https://support.industry.siemens.com/cs/ww/en/ps/3RP2505-2AB30}}$

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RP2505-2AB30&lang=en

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/3RP2505-2AB30/manual





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