SIEMENS

Data sheet 3RP2525-1AW30



Timing relay, electronic on-delay 1 change-over contact, 7 time ranges 0.05 s...100 h 12-240 V AC/DC at 50/60 Hz AC with LED, screw terminal

product type designation design of the product product type designation General technical data product component	product brand name	SIRIUS
product type designation General technical data product component • 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 60064 with degree of pollution 3 rated value test voltage for isolation test degree of pollution 3 surge voltage resistance rated value 4 000 V protection class IP shock resistance acc. to IEC 60068-2-7 injection 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 reference code acc. to IEC 81346-2 K recovery time reference code acc. to IEC 814346-2 influence of the surrounding temperature power supply influence 1 % in the whole temperature range to the set runtime power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage frequency 1 eat DC 1 2 240 V control supply voltage frequency 1 control supply voltage frequency 1 control supply voltage frequency 1 control supply voltage 1 eat DC 1 2 240 V	product designation	timing relay
Product component Prelay output Prelay o	design of the product	slow-operating
erelay output esemi-conductor output No product extension required remote control product extension optional remote control No power loss [W] maximum No IEC 80684 with degree of pollution 3 rated value test voltage for overvoltage category III according to IEC 80686 with degree of pollution 3 rated value test voltage for isolation test degree of pollution 3 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 IIfe (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time cleating accuracy relating to full-scale value thermal current 5 A recovery time reference code acc. to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature power supply influence 1% in the whole temperature range to the set runtime power supply influence Substance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 e at DC 12 240 V control supply voltage 1 e at DC 12 240 V control supply voltage frequency 1 control supply voltag	product type designation	3RP25
• relay output • semi-conductor output product extension required remote control product extension optional remote control No 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 60068-2-7 119 / 15 ms vibration resistance acc. to IEC 60068-2-7 119 / 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) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time 10 .0.5 s 100 h relative setting accuracy relating to full-scale value thermal current recovery time 250 ms reference code acc. to IEC 81346-2 Krelative repeat accuracy 1 %, +/- influence of the surrounding temperature power supply influence Substance Prohibitance (Date) 2 240 V • at 50 Hz • at DC e at DC 12 240 V control supply voltage frequency 1 • at DC 12 240 V	General technical data	
semi-conductor output product extension required remote control No 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 surge voltage resistance rated value protection class IP shock resistance acc. to IEC 60068-2-27 insulation existence acc. to IEC 60068-2-6 in 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 5 A recovery time 250 ms reference code acc. to IEC 81346-2 K relative repeat accuracy influence of the surrounding temperature power supply influence 3 Wish the whole temperature range to the set runtime power supply influence influence of the control supply voltage control supply voltage 1 at AC	product component	
product extension required remote control product extension optional remote control product extension optional remote control power loss [W] maximum 2 W	 relay output 	Yes
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 2.5 kV degree of pollution 3 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 10.05 s 100 h relative setting accuracy relating to full-scale value thermal current 5 A recovery time 250 ms reference code acc. to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC at 50 Hz at DC 12 240 V at DC 12 240 V control supply voltage frequency 1 output for the surrounding temperature at DC 12 240 V control supply voltage frequency 1	 semi-conductor output 	No
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 4 000 V protection class IP shock resistance acc. to IEC 60068-2-27 tip / 15 ms vibration resistance acc. to IEC 60068-2-6 nechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time color of the surrounding temperature thermal current 5 A recovery time 250 ms reference code acc. to IEC 81346-2 K relative repeat accuracy 1%; +/- influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz • at DC 12 240 V control supply voltage 1 • at DC 12 240 V control supply voltage 1 • at DC 12 240 V control supply voltage 1 • at DC 12 240 V control supply voltage 1 • at DC 12 240 V	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 11g / 15 ms vibration resistance acc. to IEC 60068-2-6 nechanical 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 reference code acc. to IEC 81346-2 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 type of voltage of the control supply voltage control supply voltage 1 at AC e at 50 Hz control supply voltage frequency 1 e at DC 12 240 V control supply voltage 1 e at DC 12 240 V control supply voltage 1 e at DC 12 240 V control supply voltage 1 e at DC 12 240 V	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 vibration resistance acc. to IEC 60068-2-6 nechanical 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 5 A recovery time 250 ms reference code acc. to IEC 81346-2 K relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz • at DC 12 240 V control supply voltage frequency 1 • at DC 12 240 V control supply voltage 1 • at DC 12 240 V control supply voltage 1 • at DC 12 240 V control supply voltage 1 • at DC	power loss [W] maximum	2 W
degree of pollution surge voltage resistance rated value protection class IP shock resistance acc. to IEC 60068-2-27 tilg / 15 ms vibration resistance acc. to IEC 60068-2-6 mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical adjustable time class estrice life (switching cycles) at AC-15 at 230 V typical adjustable time thermal current frecovery 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 type of voltage of the control supply voltage control supply voltage frequency 1 e at 50 Hz control supply voltage frequency 1 e at DC 12 240 V control supply voltage frequency 1 e at DC 12 240 V control supply voltage 1 e at DC 12 240 V		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 nechanical 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 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 type of voltage of the control supply voltage at DC 10. 05 s 100 h 100 000 000 100 00 100 00 100 00	test voltage for isolation test	2.5 kV
protection class IP shock resistance acc. to IEC 60068-2-27 tibration 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 5 A recovery time 250 ms reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage at 60 Hz control supply voltage 1 e at DC 11	degree of pollution	3
shock resistance acc. to IEC 60068-2-27 vibration resistance acc. to IEC 60068-2-6 nechanical 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 terrence code acc. to IEC 81346-2 reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz • at 50 Hz control supply voltage frequency 1 • at DC 110 55 Hz / 0.35 mm 100 000 1	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 relative setting accuracy relating to full-scale value thermal current ference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage at 50 Hz at 50 Hz at 50 Hz at 50 Hz control supply voltage frequency 1 at DC 10 55 Hz / 0.35 mm 10 .000 000 10 000 10	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 5 A recovery time 250 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 type of voltage of the control supply voltage • at 50 Hz • at 60 Hz control supply voltage 1 • at DC 10 000 000 100 00 100 00	shock resistance acc. to IEC 60068-2-27	11g / 15 ms
electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time relative setting accuracy relating to full-scale value thermal current 5 A recovery time 250 ms reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz • at 60 Hz control supply voltage frequency 1 • at DC 100 000 100 00 100 000 100 0	vibration resistance acc. to IEC 60068-2-6	10 55 Hz / 0.35 mm
adjustable time relative setting accuracy relating to full-scale value thermal current 5 A recovery time 250 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 type of voltage of the control supply voltage • at 50 Hz • at 60 Hz control supply voltage 1 • at DC 10.05 s 100 h	mechanical service life (switching cycles) typical	10 000 000
relative setting accuracy relating to full-scale value thermal current 5 A recovery time 250 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 type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz • at 60 Hz control supply voltage 1 control supply voltage 1 • at DC 12 240 V control supply voltage 1 • at DC 12 240 V	` ,	100 000
thermal current recovery time 250 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 type of voltage of the control supply voltage control supply voltage 1 at AC at 50 Hz at 60 Hz control supply voltage frequency 1 control supply voltage 1 at DC 12 240 V control supply voltage 1 at DC 12 240 V control supply voltage 1 at DC	adjustable time	0.05 s 100 h
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 type of voltage of the control supply voltage e at 50 Hz • at 60 Hz control supply voltage frequency 1 • at DC 250 ms K K 1 %; +/- 1 % in the whole temperature range to the set runtime 1 % in the whole voltage range to the set runtime AC/DC Control circuit/ Control 12 240 V 240 V 50 60 Hz control supply voltage 1 • at DC 12 240 V	relative setting accuracy relating to full-scale value	5 %; +/-
reference code acc. to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage • at 50 Hz • at 60 Hz control supply voltage frequency 1 • at DC 1 %; +/- 1 %; in the whole temperature range to the set runtime 1 % in the whole voltage range to the set runtime 1 % in the whole voltage range to the set runtime 1 % in the whole voltage range to the set runtime 1 % in the whole temperature range to the set runtime 1 % in the whole temperature range to the set runtime 1 % in the whole temperature range to the set runtime 1 % in the whole temperature range to the set runtime 1 % in the whole temperature range to the set runtime 1 2 240 V control supply voltage 1 at AC 1 2 240 V control supply voltage frequency 1 • at DC 1 2 240 V	thermal current	5 A
relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage • at 50 Hz • at 60 Hz control supply voltage 1	recovery time	250 ms
influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage o at 50 Hz o at 60 Hz control supply voltage frequency 1 o at DC 12 240 V 12 240 V 12 240 V 13 240 V 14 240 V 15 240 V 16 240 V 26 240 V 27 240 V 28 240 V 29 240 V 20 240 V	reference code acc. to IEC 81346-2	K
power supply influence Substance Prohibitance (Date) 1% in the whole voltage range to the set runtime 12.09.2014 Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC at 50 Hz at 60 Hz control supply voltage frequency 1 control supply voltage 1 at DC 12 240 V 12 240 V 12 240 V	relative repeat accuracy	1 %; +/-
Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC at 50 Hz at 60 Hz control supply voltage frequency 1 control supply voltage 1 at DC 12 240 V 12 240 V 13 240 V 14 240 V 15 240 V 15 240 V 15 240 V	influence of the surrounding temperature	1% in the whole temperature range to the set runtime
type of voltage of the control supply voltage control supply voltage 1 at AC at 50 Hz at 60 Hz control supply voltage frequency 1 control supply voltage 1 at DC AC/DC AC/DC AC/DC 12 240 V 50 60 Hz 12 240 V 13 240 V 14 240 V 15 240 V 15 240 V	power supply influence	1% in the whole voltage range to the set runtime
type of voltage of the control supply voltage control supply voltage 1 at AC at 50 Hz at 60 Hz control supply voltage frequency 1 control supply voltage frequency 1 at DC AC/DC 12 240 V 12 240 V 50 60 Hz 12 240 V	Substance Prohibitance (Date)	12.09.2014
control supply voltage 1 at AC 12 240 V ● at 50 Hz 12 240 V ● at 60 Hz 12 240 V control supply voltage frequency 1 50 60 Hz control supply voltage 1 12 240 V	Control circuit/ Control	
at 50 Hz at 60 Hz 12 240 V at 60 Hz 12 240 V control supply voltage frequency 1 50 60 Hz control supply voltage 1 at DC 12 240 V	type of voltage of the control supply voltage	AC/DC
● at 60 Hz control supply voltage frequency 1 control supply voltage 1 ● at DC 12 240 V 50 60 Hz 12 240 V	control supply voltage 1 at AC	
control supply voltage frequency 1 50 60 Hz control supply voltage 1 ● at DC 12 240 V	● at 50 Hz	12 240 V
control supply voltage 1 ● at DC 12 240 V	• at 60 Hz	12 240 V
• at DC 12 240 V	control supply voltage frequency 1	50 60 Hz
	control supply voltage 1	
operating range factor control supply voltage rated	• at DC	12 240 V
	operating range factor control supply voltage rated	

value at DC	
	0.0
• 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	0.4 A
● at 240 V	5 A
duration of inrush current peak	
● at 24 V	0.3 ms
● at 240 V	0.5 ms
Switching Function	
switching function	
ON-delay	Yes
ON-delay/instantaneous contact	No
 passing make contact 	No
 passing make contact/instantaneous contact 	No
OFF delay	No
switching function	
 flashing symmetrically with interval start/instantaneous 	No
 flashing symmetrically with interval start 	No
 flashing symmetrically with pulse start/instantaneous 	No
 flashing symmetrically with pulse start 	No
 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 	No
 passing break contact 	No
 passing break contact/instantaneous 	No
OFF delay	No
 OFF delay/instantaneous 	No
 pulse delayed 	No
 pulse delayed/instantaneous 	No
pulse-shaping	No
pulse-shaping/instantaneous	No
 additive ON-delay/instantaneous 	No
 ON-delay/OFF-delay/instantaneous 	No
 passing make contact 	No
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 	No
 retrotriggerable with switched-on control signal/instantaneous contact 	No
 retriggerable with deactivated control signal 	No
Short-circuit protection	
design of the fuse link for short-circuit protection of the auxiliary switch required	fuse gL/gG: 4 A
Auxiliary circuit	

material of switching contacts	AgSnO2
number of NC contacts delayed switching	0
number of NO contacts delayed switching	0
number of CO contacts delayed switching	1
operational current of auxiliary contacts at AC-15	
● at 24 V	3 A
• at 250 V	3 A
operational current of auxiliary contacts at DC-13	
• at 24 V	1 A
• at 125 V	0.2 A
● at 250 V	0.1 A
operating frequency with 3RT2 contactor maximum	5 000 1/h
contact reliability of auxiliary contacts	one incorrect switching operation of 100 million switching operations (17 V , 5 mA)
contact rating of auxiliary contacts according to UL	R300 / B300
switching capacity current with inductive load	0.01 3 A
Inputs/ Outputs	
product function	
at the relay outputs switchover delayed/without delay	No
non-volatile	No
Electromagnetic compatibility	
EMC emitted interference acc. to IEC 61812-1	ambience A (industrial sector)
EMC immunity acc. to IEC 61812-1	corresponds to degree of severity 3
conducted interference	corresponds to degree or severity o
due to burst acc. to IEC 61000-4-4	2 kV network connection / 1 kV control connection
	2 kV
due to conductor-earth surge acc. to IEC 61000-4-5 due to conductor conductor currences to IEC.	1 kV
due to conductor-conductor surge acc. to IEC 61000-4-5 field beautiful for the formula and the IEC 64000 4.2.	
field-based interference acc. to IEC 61000-4-3	10 V/m
electrostatic discharge acc. to IEC 61000-4-2	4 kV contact discharge / 8 kV air discharge
Safety related data	
protection class IP on the front acc. to IEC 60529	IP20
	Basic insulation
type of insulation	
category acc. to EN 954-1	none
	none
category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit	Yes
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	
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
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	Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 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	Yes screw-type terminals
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	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)
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	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)
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	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)
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	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)
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	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)
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	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 AWG number as coded connectable conductor cross	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 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
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 20 12
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	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
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
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
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	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
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
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	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
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	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
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

— 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

-40 ... +85 °C

-40 ... +85 °C

10 ... 95 %

Certificates/ approvals

· during storage

• during transport

relative humidity during operation

General Product Approval

EMC

Declaration of Conformity













Declaration	of
Conformity	

Test Certificates

Marine / Shipping

Miscellaneous

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=3RP2525-1AW30

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RP2525-1AW30}$

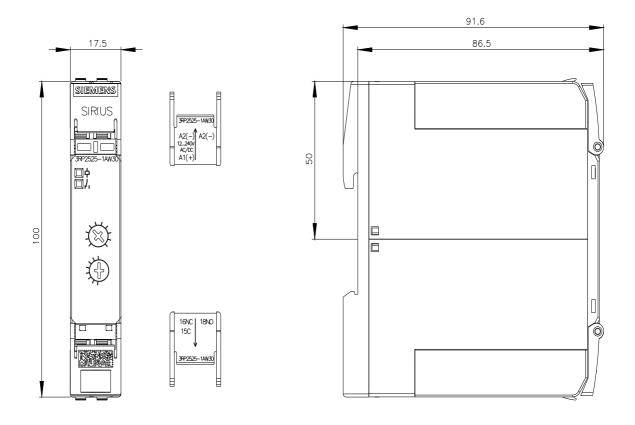
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

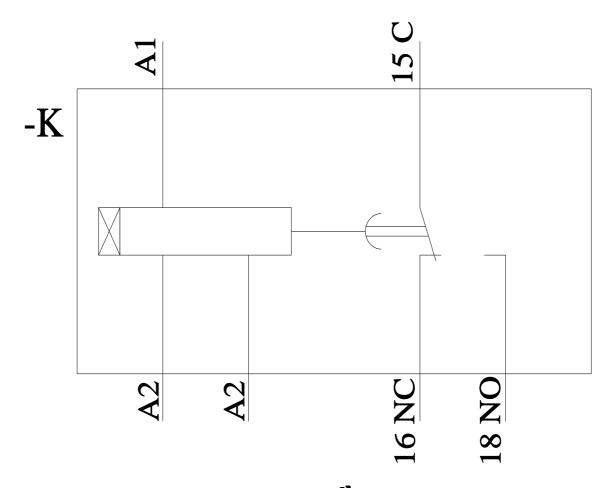
https://support.industry.siemens.com/cs/ww/en/ps/3RP2525-1AW30

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RP2525-1AW30&lang=en

Characteristic: Derating





last modified: 12/9/2021 🖸