SIEMENS

Data sheet 3RP2511-1AW30



Timing relay, electronic ansprechverzögert 1 change-over contact, 1 time range 0.5...10 s 12-240 V AC/DC at 50/60 Hz AC with LED, Screw terminal

product designation design of the product product type designation 3RP25 General technical data product component • relay output • semi-conductor output product extension required remote control 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 subsci resistance acc. to IEC 60068-2-7 vibration resistance acc. to IEC 60068-2-7 vibration resistance acc. to IEC 60068-2-8 vibration resistance acc. to IEC 60068-2-1 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 5 A recovery time 250 ms reference code acc. to IEC 81346-2 relative repeat accuracy 1 % 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 • initial value • full-scale value 1.1	product brand name	SIRIUS	
Product type designation 3RP25	product designation	timing relay	
product component	design of the product	slow-operating	
e relay output • relay output • semi-conductor output product extension required remote control product extension optional remote control 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 60068-2-7 ribration resistance acc. to IEC 60068-2-6 mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical adjustable time relative setting accuracy relating to full-scale value thermal current for exercised accuracy reference code acc. to IEC 81346-2 relative repeat accuracy Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at DC operating range factor control supply voltage rated value initial value o 88	product type designation	3RP25	
relay output semi-conductor output product extension required remote control product extension optional remote control 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	General technical data		
semi-conductor output product extension required remote control product extension optional remote control 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 ingly 15 ms vibration resistance acc. to IEC 60068-2-27 ingly 15 ms vibration resistance acc. to IEC 60068-2-8 indicate time with the protection of	product component		
product extension required remote control product extension optional remote control 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 protection class IP shock resistance acc. to IEC 60068-2-27 IIIg / 15 ms wibration resistance acc. to IEC 60068-2-6 III / 15 ms wibration resistance acc. to IEC 60068-2-8 III / 15 ms wibration resistance acc. to IEC 60068-2-10 wibration resistance acc. to IEC 60068-2-8 III / 15 ms wibration resistance acc. to IEC 60068-2-9 III / 15 ms wibration resistance acc. to IEC 60068-2-10 III / 15 ms III / 15 m	 relay output 	Yes	
product extension optional remote control 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 IP20 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 type of voltage of the control supply voltage control supply voltage 1 at AC at 50 Hz control supply voltage frequency 1 control supply voltage 1 at DC operating range factor control supply voltage rated value at DC initial value one	semi-conductor output	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 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 recovery time reference code acc. to IEC 81346-2 relative repeat accuracy 1 % 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 control supply voltage fragenency 1 control supply voltage 1 at DC operating range factor control supply voltage rated value at DC initial value o 800 V lest voltage for double voltage and value at DC operating range factor control supply voltage rated value at DC initial value o 800 V lest voltage for double value 1000 V protection test voltage fragenency 1 at 50 Hz control supply voltage 1 at DC operating range factor control supply voltage rated value at DC initial value o 800 V lest voltage for pollution and supply voltage rated value at DC of protection test voltage for pollution frage rated value at DC over initial value 2.5 kV dono V protection test voltage for pollution for the supply voltage rated value at DC over initial value 300 V lest voltage for pollution for supply voltage rated value at DC over initial value over the voltage for pollution for supply voltage rated value at DC over initial value over the voltage for pollution for supply voltage rated value at DC over initial value over the voltage for pollution for supply voltage rated value at DC over the voltage for pollution for supply voltage rated value at DC over the voltage for pollution for supply voltage rated value at DC over the voltage for pollution for su	product extension required 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) 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 k relative repeat accuracy typical type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz • control supply voltage frequency 1 • control supply voltage 1 at DC operating range factor control supply voltage rated value at DC • initial value 0.8	product extension optional remote control	No	
degree of pollution 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 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 5 A recovery time reference code acc. to IEC 81346-2 K relative repeat accuracy 1 % 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 operating range factor control supply voltage rated value at DC • initial value • initial value		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 elative setting accuracy relating to full-scale value thermal current 5 A recovery time reference code acc. to IEC 81346-2 relative repeat accuracy 1 % Control circuit/ Control type of voltage of the control supply voltage at 50 Hz • at 50 Hz • at 60 Hz • control supply voltage 1 at DC operating range factor control supply voltage rated value at DC • initial value 4 000 V IP20 11g/15 ms IP20 11g/15 ms IP20 11g/15 ms IP20 11g/15 ms IP20 12 240 V 10 000 000 100	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 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 frecovery time 250 ms reference code acc. to IEC 81346-2 relative repeat accuracy 1 % 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 frequency 1 • control supply voltage 1 at DC operating range factor control supply voltage rated value at DC • initial value 0.8	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 5 A recovery time 250 ms reference code acc. to IEC 81346-2 relative repeat accuracy 1 % Control circuit/ Control type of voltage of the control supply voltage at 50 Hz at 50 Hz at 60 Hz control supply voltage frequency 1 e control supply voltage 1 at DC operating range factor control supply voltage rated value at DC e initial value 1 10 000 000 100	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 cleative 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 % Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC at 60 Hz control supply voltage frequency 1 control supply voltage 1 at DC operating range factor control supply voltage rated value at DC initial value 10 000 000 10 000 000 10 000 000 10 000 00	protection class IP	IP20	
mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time 0.5 10 s 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 % 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 at DC operating range factor control supply voltage rated value at DC • initial value 0.8	shock resistance acc. to IEC 60068-2-27	11g / 15 ms	
electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time 0.5 10 s relative setting accuracy relating to full-scale value 5 % thermal current 5 A recovery time 250 ms reference code acc. to IEC 81346-2 K relative repeat accuracy 1 % 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 operating range factor control supply voltage rated value at DC • initial value 0.8	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 5 A recovery time 250 ms reference code acc. to IEC 81346-2 K relative repeat accuracy 1 % 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 operating range factor control supply voltage rated value at DC • initial value 0.5 10 s AC/DC K Control supply voltage 1 % Control supply voltage 1 at DC operating range factor control supply voltage rated value at DC • initial value 0.8	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 1 % 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 operating range factor control supply voltage rated value at DC • initial value 0.8	· · · · · · · · · · · · · · · · · · ·	100 000	
thermal current recovery time 250 ms reference code acc. to IEC 81346-2 K relative repeat accuracy 1 % 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 control supply voltage 1 at DC initial value 5 A AC/DC K AC/DC 12 240 V 240 V 250 60 Hz 0 0.8	adjustable time	0.5 10 s	
recovery time reference code acc. to IEC 81346-2 relative repeat accuracy 1 % 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 • control supply voltage 1 at DC • initial value 250 ms K AC/DC 1 2 240 V 12 240 V 240 V 250 60 Hz 12 240 V 260 DE 260 DE 270 DE 280 DE 2	relative setting accuracy relating to full-scale value	5 %	
reference code acc. to IEC 81346-2 relative repeat accuracy 1 % 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 • control supply voltage 1 at DC • initial value K 1 % K 1 % Control supply voltage 1 at AC 1 2 240 V 2 240 V 2 240 V 2 240 V 0 60 Hz	thermal current	5 A	
relative repeat accuracy Control circuit/ Control type of voltage of the control supply voltage AC/DC control supply voltage 1 at AC at 50 Hz at 60 Hz control supply voltage frequency 1 control supply voltage 1 at DC control supply voltage 1 at DC initial value 1 % AC/DC AC/DC 12 240 V 12 240 V 12 240 V 240 V 250 60 Hz 150 60 Hz 0.8	recovery time	250 ms	
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 • control supply voltage 1 at DC • initial value AC/DC AC/DC 12 240 V 12 240 V 12 240 V 12 240 V 00 Hz	reference code acc. to IEC 81346-2	К	
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 • control supply voltage 1 at DC operating range factor control supply voltage rated value at DC • initial value AC/DC 12 240 V 12 240 V 0.8	relative repeat accuracy	1 %	
control supply voltage 1 at AC • at 50 Hz • at 60 Hz control supply voltage frequency 1 • control supply voltage 1 at DC • control supply voltage 1 at DC operating range factor control supply voltage rated value at DC • initial value 0.8	Control circuit/ Control		
 at 50 Hz at 60 Hz 2 240 V control supply voltage frequency 1 60 Hz control supply voltage 1 at DC 12 240 V 40 U coperating range factor control supply voltage rated value at DC initial value initial value 	type of voltage of the control supply voltage	AC/DC	
■ at 60 Hz Control supply voltage frequency 1 ■ control supply voltage 1 at DC □ control supply voltage 1 at DC Operating range factor control supply voltage rated value at DC □ initial value □ initial value □ 12 240 V □ 240 V	control supply voltage 1 at AC		
control supply voltage frequency 1 o control supply voltage 1 at DC operating range factor control supply voltage rated value at DC o initial value 50 60 Hz 12 240 V 0.8	● at 50 Hz	12 240 V	
control supply voltage 1 at DC operating range factor control supply voltage rated value at DC initial value 12 240 V 0.8	● at 60 Hz	12 240 V	
operating range factor control supply voltage rated value at DC • initial value 0.8	control supply voltage frequency 1	50 60 Hz	
value at DC • initial value 0.8	control supply voltage 1 at DC	12 240 V	
• full-scale value 1.1	• 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
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
switching capacity current with inductive load	0.01 3 A
Inputs/ Outputs	
product function	
 at the relay outputs switchover delayed/without 	No
delay	
non-volatile	No
Electromagnetic compatibility	
EMC immunity acc. to IEC 61812-1	EN 61000-6-2
conducted interference	
due to burst acc. to IEC 61000-4-4	2 kV network connection / 1 kV control connection
 due to conductor-earth surge acc. to IEC 61000-4-5 	2 kV
 due to conductor-conductor surge acc. to IEC 	1 kV
61000-4-5	
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	
touch protection against electrical shock	finger-safe
	D : : 1 ()
type of insulation	Basic insulation
type of insulation category acc. to EN 954-1	none
category acc. to EN 954-1	
category acc. to EN 954-1 Connections/ Terminals product function removable terminal for auxiliary and	none
category acc. to EN 954-1 Connections/ Terminals product function removable terminal for auxiliary and control circuit	Yes
category acc. to EN 954-1 Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit	Yes screw-type terminals
category acc. to EN 954-1 Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	Yes
category acc. to EN 954-1 Connections/ Terminals product function 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 function 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)
category acc. to EN 954-1 Connections/ Terminals product function 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) 1x (20 12), 2x (20 14)
category acc. to EN 954-1 Connections/ Terminals product function 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)
category acc. to EN 954-1 Connections/ Terminals product function 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 • connectable conductor cross-section finely stranded with core end processing • AWG number as coded connectable conductor	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 function 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 • connectable conductor cross-section finely stranded with core end processing • AWG number as coded connectable conductor cross section solid • AWG number as coded connectable conductor	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 function 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 • connectable conductor cross-section finely stranded with core end processing • AWG number as coded connectable conductor cross section solid • AWG number as coded connectable conductor cross section 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
category acc. to EN 954-1 Connections/ Terminals product function 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 • connectable conductor cross-section finely stranded with core end processing • AWG number as coded connectable conductor cross section solid • AWG number as coded connectable conductor cross section 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
category acc. to EN 954-1 Connections/ Terminals product function 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 • connectable conductor cross-section finely stranded with core end processing • AWG number as coded connectable conductor cross section solid • AWG number as coded connectable conductor cross section 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
category acc. to EN 954-1 Connections/ Terminals product function 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 • connectable conductor cross-section finely stranded with core end processing • AWG number as coded connectable conductor cross section solid • AWG number as coded connectable conductor cross section 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 2 0.5 4 mm² 4 0.6 0.8 N·m M3
category acc. to EN 954-1 Connections/ Terminals product function 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 • connectable conductor cross-section finely stranded with core end processing • AWG number as coded connectable conductor cross section solid • AWG number as coded connectable conductor cross section 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 2 0.5 4 mm² 4 mm² 2 0.5 4 mm² 2 any
category acc. to EN 954-1 Connections/ Terminals product function 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 • connectable conductor cross-section finely stranded with core end processing • AWG number as coded connectable conductor cross section solid • AWG number as coded connectable conductor cross section 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
category acc. to EN 954-1 Connections/ Terminals product function 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 • connectable conductor cross-section finely stranded with core end processing • AWG number as coded connectable conductor cross section solid • AWG number as coded connectable conductor cross section 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
category acc. to EN 954-1 Connections/ Terminals product function 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 • connectable conductor cross-section finely stranded with core end processing • AWG number as coded connectable conductor cross section solid • AWG number as coded connectable conductor cross section 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 function 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 • connectable conductor cross-section finely stranded with core end processing • AWG number as coded connectable conductor cross section solid • AWG number as coded connectable conductor cross section 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

with side-by-side mounting	
— 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
 ambient temperature during storage 	-40 +85 °C
ambient temperature 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=3RP2511-1AW30

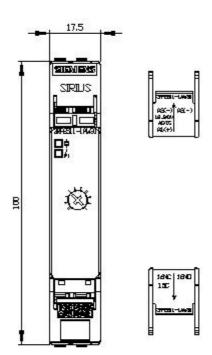
Cax online generator

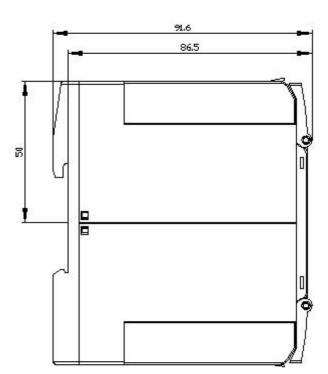
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RP2511-1AW30

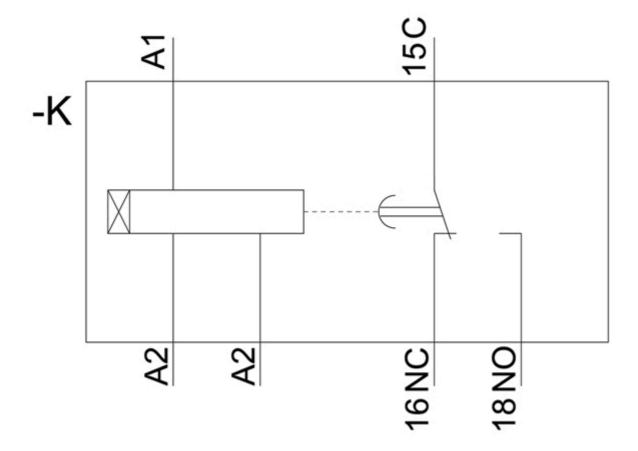
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RP2511-1AW30

Characteristic: Derating https://support.industry.siemens.com/cs/ww/en/ps/3RP2511-1AW30/manual







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