SIEMENS

Data sheet

3RP2513-1AW30



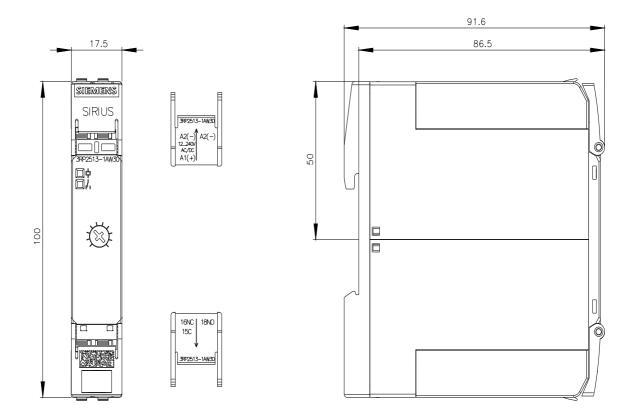
Timing relay, electronic ansprechverzögert 1 change-over contact, 1 time range 5...100 s 12-240 V AC/DC at 50/60 Hz AC with LED, Screw terminal

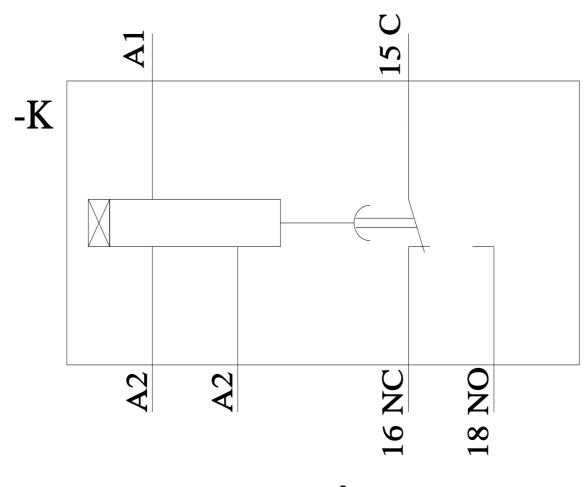
product brand name SIRUS product designation timing relay design of the product skow-operating product type designation 3RP25 General technical data	STREE.	
product designation timing relay slow-operating product type designation slow-operating slow-operating orenari tachnical data	product brand name	SIRIUS
product type designation 3RP25 General technical data	-	timing relay
General technical data product component • relay output • semi-conductor output product extension required remote control product extension required remote control power loss [W] maximum 1EC 60054 with degree of pollution 3 rated value test voltage for isolation test degree of pollution surge voltage resistance according to IEC 60068-2-87 mechanical service life (operating cycles) typical olectrical endurance (operating cycles) typical olectrical endurance (operating cycles) typical olectrical endurance (operating to IEC 8146-2 recovery time recovery time recovery time power supply influence Substance Prohibitance (Date) Optical data optical data et on the surrounding temperature power supply influence Substance Prohibitance (Date) Optical data optical data optical data outstance according to EC 81346-2 relative setting accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Optical data outstance of the control supply voltage control supply voltage 1 at AC •	design of the product	slow-operating
product component • relay output Yes • semi-conductor output No product extension required remote control No power loss [W] maximum 2 W insulation voltage for solvervoltage category III according to IEC 6064 with degree of pollution 3 rated value 2 W test voltage for isolation test 2.5 kV degree of pollution 3 surge voltage resistance rated value 4 000 V protectic class IP IP20 shock resistance according to IEC 60068-2-27 11g / 15 ms vibration resistance according to IEC 60068-2-6 1055 Hz / 0.35 mm mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) tat AC-15 at 230 V typical 100 000 adjustable time retervent recovery time 5 100 s refative setting accuracy relating to full-scale value 5 %; +/- influence of the surrounding temperature influence of the surrounding temperature 1%; in the whole temperature range to the set runtime 90/12/2014 00/12/2014 Octrol circuit/ Control 00/12/2014 Control supply voltage 1 at AC • at 60 Hz • at 60 Hz • at 60 Hz 12 240 V • at DC 00 Hz control supply voltage frequency 1 • at DC 50 Hz • at DC	product type designation	3RP25
relay output semi-conductor output No No No product extension required remote control No power loss [W] maximum 2W insulation voltage for very outge category III according to IEC 60664 with degree of pollution 3 rated value test voltage for isolation test 2.5 kV degree of pollution surge voltage rated value 4 000 V IEC 60068-2-27 Ig/ 15 ms vibration resistance according to IEC 60068-2-27 Ig/ 15 ms vibration resistance according to IEC 60068-2-27 ing / 15 ms vibration resistance according to IEC 60068-2-6 in 55 Hz / 0.35 mm dectrical endurance (operating cycles) typical dectrical endurance (operating cycles) typical dectrical endurance (operating cycles) at AC-15 at 230 V typical adjustable time feative setting accuracy relating to full-scale value termal current feative setting accuracy influence of the surrounding temperature power supply influence Since Prohibitance (Date) Verifield Control supply voltage fraguency 1 so it 60 Hz control supply voltage fraguency 1 so it 60 Hz control supply voltage fraguency 1 so it 60 Hz control supply voltage fraguency 1 so it 60 Hz control supply voltage fraguency 1 so it 60 Hz control supply voltage fraguency 1 so it 60 Hz control supply voltage fraguency 1 so it 60 Hz control supply voltage fraguency 1 so it 60 Hz control supply voltage fraguency 1 so it 60 Hz control supply voltage fraguency 1 so it 60 Hz control supply voltage fraguency 1 so it 60 Hz control supply voltage fraguency 1 so it 60 Hz control supply voltage fraguency 1 so it 60 Hz control supply voltage fraguency 1 so it 60 Hz control supply voltage fraguency 1 so it 60 Hz control supply voltage fr	General technical data	
• semi-conductor outputNoproduct extension required remote controlNoproduct extension optional remote controlNopower loss [M] maximum2 Winsulation voltage for overvoltage category III according to3IEC 60064 with degree of pollution 3 rated value4 000 Vtest voltage resistance rated value4 000 Vprotection class IPIP20shock resistance according to IEC 60068-2-610 55 Hz / 0.35 mmmechanical service life (operating cycles) typical10 000 000electrical endurance (operating cycles) at AC-15 at200 vzold vibroid5 100 srelative setting accuracy relating to full-scale value5 %; +/-thermal current5 Areference code according to IEC 81346-2Kreference code according to IEC 80082.2. 240 Vinfluence of the control supply voltage12 240 Ve at to Hz12 240 Ve at to Hz12 240 V <t< th=""><th>product component</th><th></th></t<>	product component	
product extension optional remote control No product extension optional remote control No power loss [W] maximum 2 W insulation voltage for overvoltage category III according to IEC 60064 with degree of pollution 3 rated value 300 V test voltage for isolation test 2.5 kV degree of pollution 3 surge voltage resistance rated value 4000 V protection class IP 119/15 ms vibration resistance according to IEC 60068-2-27 11g/15 ms vibration resistance according to IEC 60068-2-64 1055 Hz / 0.35 mm mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) at AC-15 at 250 ms reference code according to IEC 81346-2 K relative setting accuracy relating to full-scale value 5 %; +/- influence of the surrounding temperature 1%; +/- influence of the surrounding temperature 1%; +/- induce of the control supply voltage 0/12/2014 control supply voltage 1 12 240 V • at 0D Hz 12 240 V • at 0D Hz 12 240 V • at 0D Hz<	 relay output 	Yes
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insulation voltage for overvoltage category III according to IEC 60064 with degree of pollution 3 rated value300 Vdegree of pollution test2.5 kVdegree of pollution3surge voltage resistance rated value4 000 Vprotection class IPIP20shock resistance according to IEC 60068-2-711g / 15 msvibration resistance according to IEC 60068-2-610 55 Hz / 0.35 mmmechanical service life (operating cycles) typical10 000 000electrical endurance (operating cycles) typical100 000adjustable time5 100 srelative setting accuracy relating to full-scale value5%; +/-thermal current50 msreference code according to IEC 81346-2Krelative repeat accuracy1 %; +/-influence of the surrounding temperature1% in the whole temperature range to the set runtimepower supply influence1% in the whole voltage range to the set runtimesubstance Prohibitance (Date)09/12/2014Control supply voltage f at AC• at 50 Hz12 240 V• at 60 Hz12 240 V• at 0C12 240 V <th>product extension optional remote control</th> <th>No</th>	product extension optional remote control	No
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vibration resistance according to IEC 60068-2-610 55 Hz / 0.35 mmmechanical service life (operating cycles) typical10 000 000electrical endurance (operating cycles) at AC-15 at230 V typical230 V typical100 000adjustable time5 100 srelative setting accuracy relating to full-scale value5 %; +/-thermal current5 Arecovery time250 msreference code according to IEC 81346-2Krelative repeat accuracy1 %; +/-influence of the surrounding temperature1 %; in the whole temperature range to the set runtimepower supply influence1% in the whole voltage range to the set runtimeSubstance Prohibitance (Date)09/12/2014Control circuit/ Control12 240 V• at 50 Hz12 240 V• at 60 Hz50 60 Hzcontrol supply voltage 150 60 Hz• at DC12 240 Voperating factor control supply voltage rated12 240 V	protection class IP	IP20
mechanical service life (operating cycles) typical10 000 000electrical endurance (operating cycles) at AC-15 at 230 V typical100 000adjustable time5 100 srelative setting accuracy relating to full-scale value5 %; +/-thermal current5 Arecovery time250 msreference code according to IEC 81346-2Krelative repeat accuracy1 %; +/-influence of the surrounding temperature1% in the whole temperature range to the set runtimepower supply influence1% in the whole voltage range to the set runtimesubstance Prohibitance (Date)09/12/2014Control circuit/ Control12 240 V• at 50 Hz12 240 V• at 50 Hz12 240 V• at 50 Hz12 240 V• at DC50 60 Hz• at DC20 200 Voperating range factor control supply voltage rated value at DC12 240 V	shock resistance according to IEC 60068-2-27	11g / 15 ms
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230 V typical adjustable time 5 100 s relative setting accuracy relating to full-scale value 5 %; +/- thermal current 5 A recovery time 250 ms reference code according to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature 1% in the whole temperature range to the set runtime power supply influence 1% in the whole voltage range to the set runtime Substance Prohibitance (Date) 09/12/2014 Control circuit/ Control 12 240 V • at 50 Hz 12 240 V • at 60 Hz 12 240 V • at DC 10 L • at DC 12 240 V • at DC 12 240 V	mechanical service life (operating cycles) typical	10 000 000
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recovery time250 msreference code according to IEC 81346-2Krelative repeat accuracy1 %; +/-influence of the surrounding temperature1% in the whole temperature range to the set runtimepower supply influence1% in the whole voltage range to the set runtimegower supply influence (Date)09/12/2014Control circuit/ Controltype of voltage of the control supply voltageAC/DCcontrol supply voltage 1 at AC12 240 Ve at 50 Hz12 240 Ve at 60 Hz50 60 Hzcontrol supply voltage frequency 150 60 Hze at DC12 240 Voperating range factor control supply voltage ratedvalue at DC12 240 V	relative setting accuracy relating to full-scale value	5 %; +/-
reference code according to IEC 81346-2Krelative repeat accuracy1 %; +/-influence of the surrounding temperature1% in the whole temperature range to the set runtimepower supply influence1% in the whole voltage range to the set runtimeSubstance Prohibitance (Date)09/12/2014Control circuit/ Controltype of voltage of the control supply voltagecontrol supply voltage 1 at ACAC/DC• at 50 Hz12 240 V• at 60 Hz12 240 Vcontrol supply voltage frequency 150 60 Hzcontrol supply voltage 1	thermal current	5 A
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influence of the surrounding temperature power supply influence1% in the whole temperature range to the set runtime 1% in the whole voltage range to the set runtime 09/12/2014Control circuit/ Control09/12/2014Control circuit/ ControlAC/DCtype of voltage of the control supply voltage • at 50 Hz • at 60 HzAC/DCcontrol supply voltage frequency 1 control supply voltage 1 • at DC12 240 V 50 60 Hzoperating range factor control supply voltage rated value at DC12 240 V	reference code according to IEC 81346-2	К
power supply influence1% in the whole voltage range to the set runtime 09/12/2014Control circuit/ Control09/12/2014Control circuit/ ControlAC/DCcontrol supply voltage 1 at AC • at 50 Hz • at 60 Hz12 240 Vcontrol supply voltage frequency 1 control supply voltage 1 • at DC12 240 Voperating range factor control supply voltage rated value at DC12 240 V	relative repeat accuracy	1 %; +/-
Substance Prohibitance (Date) 09/12/2014 Control circuit/ Control Control supply voltage of the control supply voltage AC/DC type of voltage of the control supply voltage AC/DC • 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 operating range factor control supply voltage rated value at DC 12 240 V	influence of the surrounding temperature	1% in the whole temperature range to the set runtime
Control circuit/ Control Control supply voltage of the control supply voltage control supply voltage 1 at AC AC/DC • at 50 Hz 12 240 V 12 240 V • at 60 Hz 12 240 V 12 240 V control supply voltage frequency 1 50 60 Hz 12 240 V control supply voltage frequency 1 50 60 Hz 12 240 V control supply voltage frequency 1 50 60 Hz 12 240 V operating range factor control supply voltage rated value at DC 12 240 V 12 240 V	power supply influence	1% in the whole voltage range to the set runtime
type of voltage of the control supply voltageAC/DCcontrol supply voltage 1 at AC12 240 V• at 50 Hz12 240 V• at 60 Hz12 240 Vcontrol supply voltage frequency 150 60 Hzcontrol supply voltage 112 240 V• at DC12 240 Voperating range factor control supply voltage rated12 240 V		09/12/2014
control supply voltage 1 at AC12 240 V• at 50 Hz12 240 V• at 60 Hz12 240 Vcontrol supply voltage frequency 150 60 Hzcontrol supply voltage 112 240 V• at DC12 240 Voperating range factor control supply voltage rated value at DC12 240 V	Control circuit/ Control	
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• at 60 Hz12 240 Vcontrol supply voltage frequency 150 60 Hzcontrol supply voltage 112 240 V• at DC12 240 Voperating range factor control supply voltage rated value at DC12 240 V		
control supply voltage frequency 150 60 Hzcontrol supply voltage 112 240 Vo at DC12 240 Voperating range factor control supply voltage rated value at DC40 V	• at 50 Hz	
control supply voltage 1 • at DC 12 240 V operating range factor control supply voltage rated value at DC 12 240 V		12 240 V
• at DC 12 240 V operating range factor control supply voltage rated value at DC		50 60 Hz
operating range factor control supply voltage rated value at DC		
value at DC		12 240 V
	• 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
	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 	No
start/instantaneous	
 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
-	No
pulse delayed	
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 	No
signal/instantaneous contact	
 retrotriggerable with switched-on control signal 	No
 retrotriggerable with switched-on control 	No
signal/instantaneous contact	
 retriggerable with deactivated control signal 	No
Short-circuit protection	
design of the fuse link for short-circuit protection of the	fuse gL/gG: 4 A
auxiliary switch required	
Auxiliary circuit	
material of switching contacts	AgSnO2
number of NC contacts	0
	0
delayed switching	0
instantaneous contact	0
number of NO contacts	

 delayed switching 	
	0
 instantaneous contact 	0
number of CO contacts	
 delayed switching 	1
 instantaneous contact 	0
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
	0.1 A
• at 250 V	
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 $\sqrt{5}$ mA)
contect action of conditions contects according to UI	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 	No
delay	
non-volatile	No
Electromagnetic compatibility	
EMC emitted interference according to IEC 61812-1	ambience A (industrial sector)
EMC immunity according to IEC 61812-1	corresponds to degree of severity 3
conducted interference	······································
due to burst according to IEC 61000-4-4	2 kV network connection / 1 kV control connection
due to conductor-earth surge according to IEC	2 kV
61000-4-5	
 due to conductor-conductor surge according to IEC 	1 kV
61000-4-5	
field-based interference according to IEC 61000-4-3	10 V/m
electrostatic discharge according to IEC 61000-4-2	4 kV contact discharge / 8 kV air discharge
Safety related data	
protection class IP on the front according to IEC	IP20
60529	
	Basic insulation
type of insulation	Dasic insulation
51	none
category according to EN 954-1	
category according to EN 954-1 Connections/ Terminals	none
category according to EN 954-1	
category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit	none Yes
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	none
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	none Yes screw-type terminals
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	none Yes screw-type terminals 1x (0.5 4.0 mm ²), 2x (0.5 2.5 mm ²)
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	none Yes screw-type terminals 1x (0.5 4.0 mm ²), 2x (0.5 2.5 mm ²) 1x (0.5 4 mm ²), 2x (0.5 1.5 mm ²)
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	none Yes screw-type terminals 1x (0.5 4.0 mm ²), 2x (0.5 2.5 mm ²) 1x (0.5 4 mm ²), 2x (0.5 1.5 mm ²) 1x (20 12), 2x (20 14)
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	none Yes screw-type terminals 1x (0.5 4.0 mm ²), 2x (0.5 2.5 mm ²) 1x (0.5 4 mm ²), 2x (0.5 1.5 mm ²)
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 connectable conductor cross-section	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) 1x (20 12), 2x (20 14)
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 connectable conductor cross-section • 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) 1x (20 12), 2x (20 14) 0.5 4 mm²
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 connectable conductor cross-section • solid • 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) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14)
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 connectable conductor cross-section • solid • finely stranded with core end processing • solid • finely stranded with core end processing AWG number as coded connectable conductor cross	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) 1x (20 12), 2x (20 14) 0.5 4 mm²
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 connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross-section	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) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm²
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 connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • 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) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12
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 connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • solid • solid • stranded	none Yes screw-type terminals $1x (0.5 \dots 4.0 \text{ mm}^2), 2x (0.5 \dots 2.5 \text{ mm}^2)$ $1x (0.5 \dots 4 \text{ mm}^2), 2x (0.5 \dots 1.5 \text{ mm}^2)$ $1x (20 \dots 12), 2x (20 \dots 14)$ $1x (20 \dots 12), 2x (20 \dots 14)$ $0.5 \dots 4 \text{ mm}^2$ $0.5 \dots 4 \text{ mm}^2$ $0.5 \dots 4 \text{ mm}^2$ $0.5 \dots 12$ $20 \dots 12$ $20 \dots 14$
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 connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque	none Yes screw-type terminals $1x (0.5 \dots 4.0 \text{ mm}^2), 2x (0.5 \dots 2.5 \text{ mm}^2)$ $1x (0.5 \dots 4 \text{ mm}^2), 2x (0.5 \dots 1.5 \text{ mm}^2)$ $1x (20 \dots 12), 2x (20 \dots 14)$ $1x (20 \dots 12), 2x (20 \dots 14)$ $0.5 \dots 4 \text{ mm}^2$ $0.5 \dots 4 \text{ mm}^2$ $0.5 \dots 4 \text{ mm}^2$ $0.5 \dots 0.8 \text{ N·m}$
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 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	none Yes screw-type terminals $1x (0.5 \dots 4.0 \text{ mm}^2), 2x (0.5 \dots 2.5 \text{ mm}^2)$ $1x (0.5 \dots 4 \text{ mm}^2), 2x (0.5 \dots 1.5 \text{ mm}^2)$ $1x (20 \dots 12), 2x (20 \dots 14)$ $1x (20 \dots 12), 2x (20 \dots 14)$ $0.5 \dots 4 \text{ mm}^2$ $0.5 \dots 4 \text{ mm}^2$ $0.5 \dots 4 \text{ mm}^2$ $0.5 \dots 12$ $20 \dots 12$ $20 \dots 14$
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 connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque	none Yes screw-type terminals $1x (0.5 \dots 4.0 \text{ mm}^2), 2x (0.5 \dots 2.5 \text{ mm}^2)$ $1x (0.5 \dots 4 \text{ mm}^2), 2x (0.5 \dots 1.5 \text{ mm}^2)$ $1x (20 \dots 12), 2x (20 \dots 14)$ $1x (20 \dots 12), 2x (20 \dots 14)$ $0.5 \dots 4 \text{ mm}^2$ $0.5 \dots 4 \text{ mm}^2$ $0.5 \dots 4 \text{ mm}^2$ $0.5 \dots 0.8 \text{ N·m}$
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 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	none Yes screw-type terminals $1x (0.5 \dots 4.0 \text{ mm}^2), 2x (0.5 \dots 2.5 \text{ mm}^2)$ $1x (0.5 \dots 4 \text{ mm}^2), 2x (0.5 \dots 1.5 \text{ mm}^2)$ $1x (20 \dots 12), 2x (20 \dots 14)$ $1x (20 \dots 12), 2x (20 \dots 14)$ $0.5 \dots 4 \text{ mm}^2$ $0.5 \dots 4 \text{ mm}^2$ $0.5 \dots 4 \text{ mm}^2$ $0.5 \dots 0.8 \text{ N·m}$
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 connectable conductor cross-section • solid • finely stranded with core end processing 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	none Yes screw-type terminals $1x (0.5 \dots 4.0 \text{ mm}^2), 2x (0.5 \dots 2.5 \text{ mm}^2)$ $1x (0.5 \dots 4 \text{ mm}^2), 2x (0.5 \dots 1.5 \text{ mm}^2)$ $1x (20 \dots 12), 2x (20 \dots 14)$ $1x (20 \dots 12), 2x (20 \dots 14)$ $0.5 \dots 4 \text{ mm}^2$ $0.5 \dots 0.8 \text{ N·m}$ M3
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 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	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) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 12 3 any
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 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	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) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 4 mm² any screw and snap-on mounting onto 35 mm DIN rail
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 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	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) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 4 mm² any screw and snap-on mounting onto 35 mm DIN rail 100 mm
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 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	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) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 12 20 14 0.6 0.8 N·m M3
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 connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions mounting position fastening method height width depth	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) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 12 20 14 0.6 0.8 N·m M3

— forwards			0 mm		
— backwards			0 mm		
— upwards			0 mm		
— downwards			0 mm		
— at the side			0 mm		
 for grounded par 	te		0 mm		
 for grounded part forwards 	13		0 mm		
— backwards			0 mm		
— upwards			0 mm		
— at the side			0 mm		
— downwards			0 mm		
 for live parts 			0 mm		
- forwards			0 mm		
— backwards			0 mm		
— upwards			0 mm		
— downwards			0 mm		
— at the side			0 mm		
			Unin		
Ambient conditions					
installation altitude at h	eight above sea level	l maximum	2 000 m		
ambient temperature					
 during operation 			-25 +60 °C		
 during storage 			-40 +85 °C		
 during transport 			-40 +85 °C		
relative humidity during	g operation		10 95 %		
Certificates/ approvals					
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Declaration of Confe	rmitv	Test Certifica	ates Marine / Shippin	q	
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	CE	Type Test Cer	r <u>tific-</u>	Lloyds Register	PRS
UK CA	CE	Type Test Cer	rtific- port BUREAU VERITAS	Lloyds Register	PRS
	CE	Type Test Cer	r <u>tific-</u>	Lloyds Register	PRS
UK CA	CE	Type Test Cer	tific- port VERITAS	Lloyds Register	PRS
UK CA	CE	Type Test Cer	rtific- port BUREAU VERITAS	Lloyds Register	PRS
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UK CA Marine / Shipping	EG-Konf.	Type Test Cer ates/Test Re	rtific- port	Lloyds Register	PRS
UK CA Marine / Shipping	CEG-Konf.	Type Test Cer ates/Test Re	rtific- port	Lloyds Register	PRS
UK Marine / Shipping	CEG-Konf.	Type Test Cer ates/Test Re	rtific- port other Confirmation	Lloyds Register	PRS
UK Marine / Shipping	CEG-Konf.	Type Test Cer ates/Test Re	rtific- port	Lloyds Register	PRS
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