SIEMENS

Data sheet

3RP1533-1AP30



Timing relay, electronic Phased-out product !!! For further information, please contact our sales department OFF delay 1 change-over contact, with auxiliary voltage 1 time range, 5 s...100 s 24 AC, 200...240 V and 24 V DC at 50/60 Hz AC with LED, Screw terminal

product brand name	SIRIUS
product designation	timing relay
product type designation	3RP15
General technical data	
product component	
● relay output	Yes
 semi-conductor output 	No
product extension required remote control	No
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	300 V
test voltage for isolation test	2 kV
degree of pollution	3
surge voltage resistance rated value	4 000 V
protection class IP	IP20
shock resistance acc. to IEC 60068-2-27	11g / 15 ms
vibration resistance acc. to IEC 60068-2-6	10 55 Hz / 0.35 mm
mechanical service life (switching cycles) typical	10 000 000
electrical endurance (switching cycles) at AC-15 at 230 V typical	100 000
adjustable time	5 100 s
relative setting accuracy relating to full-scale value	5 %
thermal current	5 A
minimum ON period	35 ms
recovery time	150 ms
reference code acc. to IEC 81346-2	К
relative repeat accuracy	1 %
influence of the surrounding temperature	±5 %
power supply influence	±1 %
Substance Prohibitance (Date)	28.05.2009
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage 1 at AC	
• at 50 Hz rated value	24 V
• at 60 Hz rated value	24 V
control supply voltage 2 at AC	
• at 50 Hz	200 240 V
• at 60 Hz	200 240 V
control supply voltage frequency 1	50 60 Hz

control supply voltage 1	24.)/
at DC rated value operating range factor control supply voltage rated	24 V
value at DC	
initial value	0.85
• full-scale value	1.1
operating range factor control supply voltage rated value at AC at 50 Hz	
• initial value	0.85
full-scale value	1.1
operating range factor control supply voltage rated value at AC at 60 Hz	
 initial value 	0.85
full-scale value	1.1
Switching Function	
switching function	
• ON-delay	No
ON-delay/instantaneous contact	No
passing make contact	No
 passing make contact/instantaneous contact OFE dology 	No
OFF delay	No
switching function	No
 flashing symmetrically with interval start/instantaneous 	No
 flashing symmetrically with interval start 	No
 flashing symmetrically with pulse 	No
start/instantaneous	
 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	Al-
additive ON-delay	No
 passing break contact passing break contact/instantaneous 	No
OFF delay	Yes
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
design of the control terminal non-floating	Yes
Short-circuit protection	
design of the fuse link for short-circuit protection of the auxiliary switch required	fuse gL/gG: 4 A
Auxiliary circuit	
material of switching contacts	AgSnO2
number of NC contacts delayed switching	0
number of NO contacts delayed switching	0

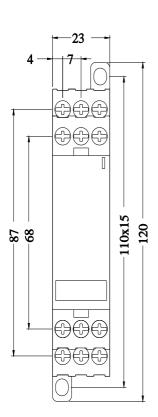
number of CO contacts delayed switching 1 • et 23 V 3 A • et 23 V 3 A • et 24 V 3 A • et 24 V 3 A • et 25 V 3 A • et 25 V 3 A • et 24 V 1 A • et 25 V 0.1 A • et 25 V 0.0 Hillion evitation of 100 million evitation generations (17 • contact et dire of auxiliary contacts according to UL ES00 / ES00 Inputs/ Outputs Product function • et an onductor-exiting esc. to IEC 61812-1 EN 6100-6-4(3) EMC entited inductor-exiting esc. to IEC 61812-1 EN 6100-6-4 • due to conductor-exiting esc. to IEC 6100-4-2 2 KV network contection / 1 KV control connection • due to conductor-exiting esc. to IEC 6100-4-2 4 KV orintet discharge esc. to IEC 6100-4-2		
• a12 5V 3 A • a12 5V 1 A • a12 5V 0 2 A • a12 5V 0 0 A • a12 5V 0 0 A • a14 5W 0 0 A • a14 5W 0 0 C • a14 5W 0 0 C • a14 5W 0 0 C </td <th>number of CO contacts delayed switching</th> <td>1</td>	number of CO contacts delayed switching	1
• al 250 V 3 A operational current of auxiliary contacts at DC-13 1 A • al 25 V 0.2 A • al 250 V 0.2 A operating frequency with 3RT2 contactor maximum 5000 1/h contact reliability of auxiliary contacts one incorrect switching operation of 100 million switching operations (17 contact rating of auxiliary contacts one incorrect switching operation of 100 million switching operations (17 contact rating of auxiliary contacts one incorrect switching operation of 100 million switching operations (17 rono volatile No Product function No • one volatile No Electromagnatic compatibility ENC emitted interference • due to conductore-and maxima sec. to IEC 6100-4-3 EN 61000-8-2 • due to conductore-and maxima sec. to IEC 61000-4-3 1 KV • due to conductore-and maxima sec. to IEC 61000-4-3 1 KV • due to conductore-and maxima EV contact discharge / 8 KV air discharge Safet Assed interference acc. to IEC 61000-4-3 10 V/m electrostat class of discharge acc. to IEC 6100-4-2 4 KV contact discharge / 8 KV air discharge Safety related data IP20 pype of institut IV protection class IP on the front acc. to IEC 61002 IP20 type of connectable conductor cross-section <t< td=""><th>operational current of auxiliary contacts at AC-15</th><td></td></t<>	operational current of auxiliary contacts at AC-15	
operational current of auxiliary contacts at DC-13 1 • at 24 V 0.2 A • at 250 V 0.2 A • controbulity contacts 0.2 B product function No Electromagnetic compatibility EN4 0000-0-4(3) EM2 mitted interference 0.0 K 10000-0-2 • due to conductor-onductor surge acc. to EC 6 1000-4-3 10 V/m electrobust disc b, 10 EC 6 1000-4-1 1 K V electrobust disc b, 10 EC 6 1000-4-2 4 KV contact discharge / 8 KV air discharge protect conductor-onductor surge acc. to EC 6 1000-4-3 10 V/m electrobust disc b, 10 EC 6 1000-4-1 1 K V protect conductor -onductor surge	• at 24 V	3 A
 al: 24 V al: 25 V al: 27 V al: 27 V al: 2	• at 250 V	3 A
• at 125 V 0.2 Å	operational current of auxiliary contacts at DC-13	
• • • • • • • • • • • • • • • • • • •	• at 24 V	1 A
operating frequency with 3BT2 contacts 5 000 1/h contact reliability of auxiliary contacts according to UL R300 / B300 reptats/Outpats R300 / B300 product function No Electromagnetic compatibility EN 61000-6-4(3) EMC immutity acc. to IEC 6100-14 EN 61000-6-4(3) - due to burst acc. to IEC 6100-4.4 2 kV network connection / 1 kV control connection - due to burst acc. to IEC 61000-4.5 1 kV - due to burst acc. to IEC 61000-4.5 1 kV - due to burst acc. to IEC 61000-4.5 1 kV - due to burst acc. to IEC 61000-4.5 1 kV - due to burst acc. to IEC 61000-4.5 1 kV - due to burst acc. to IEC 61000-4.5 1 kV - due to burst acc. to IEC 61000-4.5 1 kV - due to burst acc. to IEC 61000-4.5 1 kV - due to burst acc. to IEC 61000-4.5 1 kV - due to burst acc. to IEC 61000-4.5 1 kV - due to burst acc. to IEC 61000-4.5 1 kV - due to burst acc. to IEC 61000-4.5 1 kV - due to burst acc. to IEC 61000-4.5 1 kV - dowrite due to conductor consect to IEC 60529 IP20	• at 125 V	0.2 A
contact callability of auxiliary contacts vs. m/s) contact rating of auxiliary contacts according to UL R300 / B300 Input5 / Output5 R300 / B300 product function No end control compatibility EMC amitted interference acc. to IEC 61812-1 EN 61000-6-4(3) EMC amitted interference acc. to IEC 61812-1 EN 61000-6-4(3) EMC amitted interference acc. to IEC 61000-4-3 EN 61000-6-4(3) et due to burst acc. to IEC 61000-4-3 EN 61000-6-4 - due to conductor-earth supre acc. to IEC 61000-4-3 EN 41000-6-2 etectronagnetic compatibility EN 61000-6-4 field-based interference acc. to IEC 61000-4-3 I0 V/m electrostatic discharge acc. to IEC 61000-4-3 I0 V/m field-based interference acc. to IEC 61000-4-3 IV V field-based interference IV V </td <th>• at 250 V</th> <td>0.1 A</td>	• at 250 V	0.1 A
v. 5 mA) V. 5 mA) contact rating of auxiliary contacts according to UL R300 / B300 tiputs/ Outputs Product function in on-volatile No Electromagnetic compatibility EN 61000-6-4(3) EMC emitted interference acc. to IEC 61001-4.1 EN 61000-6-2 i- due to bars acc. to IEC 61000-4.5 2 kV i- due to bars acc. to IEC 61000-4.5 2 kV i- due to bars acc. to IEC 61000-4.5 2 kV i- due to bars acc. to IEC 61000-4.5 2 kV i- due to bars acc. to IEC 61000-4.5 1 kV i- due to bars acc. to IEC 61000-4.5 2 kV i- due to bars acc. to IEC 61000-4.5 1 kV i- due to bars acc. to IEC 61000-4.5 1 kV i- field-based interference acc. to IEC 61000-4.5 1 kV i- field-based interference acc. to IEC 61000-4.5 1 kV i- field-based interference acc. to IEC 61000-4.5 1 kV i- field-based interference acc. to IEC 61000-4.5 1 kV i- field-based interference acc. to IEC 61000-4.5 1 kV i- field-based interference acc. to IEC 61000-4.2 4 kV contact discharge Safety rolated data interminats prodectord I- field-base and interminats i- field-base and interminats i- de dischical connectable conductor cross-section	operating frequency with 3RT2 contactor maximum	5 000 1/h
contact rating of auxillary contacts according to UL R300 / B300 inputs/ Outputs Product function • non-volabile No EMC emitted interference acc. to IEC 61812-1 EN 81000-6-4(3) EMC immunity acc. to IEC 61812-1 EN 81000-6-2 conducted interference 2 kV network connection / 1 kV control connection • due to conductor-earth surge acc. to IEC 61000-4-5 1 kV • due to conductor earth surge acc. to IEC 61000-4-2 1 kV • field-based interference acc. to IEC 61000-4-3 10 V/m electrostatic discharge acc. to IEC 61000-4-3 10 V/m etation	contact reliability of auxiliary contacts	
Inputs/ Outputs No Product function • non-volatile No Electromagnetic compatibility EN 6 mitted interference act, to IEC 61812-1 EN 61000-6-2(3) EMC mitted interference act, to IEC 61000-4-4 2 kV network connection / 1 kV control connection • due to conductor-conductor surge acc, to IEC 61000-4-3 2 kV Field-based interference act, to IEC 61000-4-3 10 V/m electrostatic discharge acc, to IEC 61000-4-3 10 V/m relectrostatic discharge acc, to IEC 61000-4-3 10 V/m electrostatic discharge acc, to IEC 61000-4-3 10 V/m gate Statistion catistical connectable conductor cross-sections solid 12 (2 0,14 2 0,14		
product function No ENC emitted interference acc. to IEC 61812-1 EN 61000-6-4(3) 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-earting using acc. to IEC 61000-4-5 • due to conductor-earting using acc. to IEC 61000-4-3 1 kV • field-based interference acc. to IEC 61000-4-3 10 V/m • due to conductor-earting using acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-3 10 V/m • due to conductor-earting using acc. to IEC 61000-4-3 gldcy related data Protection class IP on the front acc. to IEC 6029 IP20 protection class IP on the front acc. to IEC 6029 IP20 type of function for auxiliary and control circuit screw-type terminals type of exclusion for auxiliary and control circuit screw-type terminals type of exclusion for auxiliary and control circuit Yes • solid • at AVQ cables stranded 2x (2014) • at AVG cables stranded 2014 • at AVG cables stranded • solid 0.5 2.5 mm³ • at AVG cables stranded • solid 0.5		R300 / B300
Increase No Electromagnetic compatibility ENC emitted interference acc. to EC 61812-1 EN 61000-6-2 Conducted interference 2 kV network connection / 1 kV control connection - due to conductor-conductor surge acc. to EC 61000-4-5 2 kV - due to conductor-conductor surge acc. to EC 61000-4-5 2 kV - due to conductor-conductor surge acc. to EC 61000-4-5 2 kV - field-based Interference acc. to EC 61000-4-3 10 V/m electrostatic discharge acc. to EC 61000-4-3 10 V/m electrostatic discharge acc. to EC 61000-4-3 4 kV contact discharge / 8 kV air discharge Safety rolated data protection class IP on the front acc. to IEC 60529 pP20 type of insulation Basic insulation casegory acc. to EN 56-1 - connectable Conductor cross-sections screw-type terminals vers ype of electrical connection for auxiliary and control circuit screw-type terminals vers ype of acce and with core end processing 1x (0.5 4.0 mm²), 2x (0.5 1.5 mm²) sta 4/WG cables stranded e al AWG cables solid 0.5 4 mm² stranded 20 14 e solid 0.5 4.0 mm² 3 1.2 mm²	Inputs/ Outputs	
Electromagnetic compatibility EN ENC immunity acc. Ibl C6 1012-1 EN 61000-64(3) EMC immunity acc. Ibl C6 1010-44 EN 61000-6-2 • due to conductor-endrators 2 kV network connection / 1 kV control connection • due to conductor-endrators surge acc. to IEC 61000-4-3 1 kV • field-based interference 1 kV • field-based interference acc. to IEC 61000-4-3 10 V/m • due to conductor-endrators urge acc. to IEC 61000-4-3 10 V/m • due to conductor-endrators 1 kV control discharge / 8 kV air discharge Safety related data protection class IP on the front acc. to IEC 60029 prote of consolution Basic insulation category acc. to EN 954-1 none Connectable conductor cross-sections 1 x (0.5 4.0 mm ³), 2x (0.5 2.5 mm ³) • solid 1 x (0.5 4.0 mm ³), 2x (0.5 2.5 mm ³) • at AVG cables standed 2 x (20 14) • at AVG cables standed 2 x (20 14) • at AVG cables standed 20 14 • sidid 20 14 • stranded 20 14 • sidid 20 14 • stranded	product function	
EMC emitted interference acc. to IEC 61812-1 EN 61000-6-4(3) EMC immunity acc. to IEC 61812-1 EN 61000-6-2 conducted interference 4 kV network connection / 1 kV control connection • due to burst acc. to IEC 61000-4.5 2 kV • due to conductor-conductor surge acc. to IEC 61000-4.5 1 kV • due to conductor-conductor surge acc. to IEC 61000-4.2 1 kV • 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 type of insulation category acc. to EN 584-1 none Connectable conductor cross-sections screw-type terminals screw-type terminals type of electrical connectable conductor cross-section 1x (0.5 4.0 mm²), 2x (0.5 1.5 mm²) 1 k (0.5 4.0 mm²), 2x (0.5 1.5 mm²) • at AWG cables stranded 2k (20 14) 2k (20 14) 2k (20 14) • at AWG cables stranded 20 14 20 14 20 14 • solid 0.5 2.5 mm² MX Max • finely stranded with core end processing any	non-volatile	No
EMC immunity acc. to IEC 61812-1 EN 61000-6-2 conducted interference 2 kV network connection / 1 kV control connection • due to conductor-earth surge acc. to IEC 61000-4-5 2 kV • due to conductor-earth surge acc. to IEC 61000-4-5 1 kV • field-based interference acc. to IEC 61000-4-2 4 kV contact discharge / 8 kV air discharge • due to conductor-conductor surge acc. to IEC 61000-4-2 4 kV contact discharge / 8 kV air discharge • due to conductor-conductor surge acc. to IEC 61000-4-2 1 kV • get on the front acc. to IEC 61000-4-2 4 kV contact discharge / 8 kV air discharge • get on the front acc. to IEC 61000-4-2 1 kV • get on the front acc. to IEC 61000-4-2 1 kV • get ontotact discharge acc. to IEC 61000-4-2 1 kV control circuit • get ontotact discharge acc. to IEC 61000-4-2 1 kV • get ontotact discharge acc. to IEC 61000-4-2 1 kV • get ontotact discharge acc. to IEC 61000-4-2 1 kV • get ontotact discharge acc. to IEC 61000-4-2 1 kV • get ontotact discharge acc. to IEC 61000-4-2 1 kV • get ontotact discharge acc. to IEC 61000-4-2 1 kV • store ontor acc. to IEC 61000-4-2 1 kV • field-bacc 1 connectable co	Electromagnetic compatibility	
conducted interference 2 kV network connection / 1 kV control connection • due to burst acc. to IEC 61000-4.4 2 kV network connection / 1 kV control connection • due to conductor-conductor surge acc. to IEC 61000-4.5 1 kV field-based interference acc. to IEC 61000-4.2 1 kV glectorstatic discharge acc. to IEC 61000-4.2 4 kV control discharge / 8 kV air discharge Safdy related data 10 V/m protection class IP on the front acc. to IEC 60529 IP20 type of insulation Basic insulation category acc. to E N 55-1 none Connections/ Terminals receively terminals product component removable terminal for auxillary and control circuit screw-type terminals type of electrical connectable conductor cross-sections 1x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) • solid 1x (0.5 2.6 mm²). 2x (0.5 1.5 mm²) • at AWG cables sind 2x (20 14) • at AWG cables sind 20 14 • solid 20 14 • straded 20 14 • straded 20 14 • straded 20 14 • straded 91 mm • finely stranded with core end proccesing ANG	EMC emitted interference acc. to IEC 61812-1	EN 61000-6-4(3)
due to burst acc. to IEC 61000-4-4 due to conductor-earth surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 IkV field-based interference acc. to IEC 61000-4-2 IkV field-based interference acc. to IEC 61000-4-2 IkV air discharge Safety related data protection class IP on the front acc. to IEC 6002-9 IP20 Iype of insulation category acc. to EN 954-1 none Connections/ Terminals product component removable terminal for auxiliary and control circuit type of insulation insultation activity of connectable conductor cross-sections isolid if nely stranded with core end processing it (0.5 4.0 mm ³), 2x (0.5 2.5 mm ³) it (0.5 4.0 mm ³), 2x (0.5 1.5 mm ³) it (0.5 4.0 mm ³ , 2x (0.5 1.5 mm ³)	EMC immunity acc. to IEC 61812-1	EN 61000-6-2
 • due to conductor-centh surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-3 • field-based interference acc. to IEC 61000-4-2 • VV contact discharge / 8 kV air discharge Safety related data protection class IP on the front acc. to IEC 60529 IP20 Type of insulation Basic insulation category acc. to EN 954-1 none Connections/ Terminals product component removable terminal for auxiliary and control circuit screw-type terminals type of connectable conductor cross-sections • solid ta AWG cables solid ta AWG cables solid at AWG cables solid at AWG cables solid of solid of suld ta at AWG cables solid at AWG cables conductor cross-section solid at AWG cables conductor cross-section solid finely stranded with core end processing ta AWG cables conductor cross-section solid ta at AWG cables conductor cross-section solid at AWG cables conductor cross-section solid ta at and the connectable conductor cross-section solid ta at and ta at at and ta at and ta at at and ta at and ta at at and	conducted interference	
• due to conductor-conductor surge acc. to IEC 1 kV 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 rotated data protection class IP on the front acc. to IEC 60529 IP20 type of insulation Basic insulation none Connectable conductor romovable terminal for auxiliary and control circuit screw-type terminals type of electrical connection for auxiliary and control circuit screw-type terminals type of connectable conductor cross-sections 1x (0.5 4.0 mm²), 2x (0.5 1.5 mm²) • solid 1x (0.5 4.0 mm²), 2x (0.5 1.5 mm²) • at AWG cables solid 2X (20 14) connectable conductor cross-section 0.5 4 mm² • solid 0.5 4 mm² • solid 0.5 4 mm² • solid 20 14 estranded 20 14 tightening torque 0.8 1.2 N·m design of the thread of the connection screw M3 Instalator/ mounting dimensions any mounting position screw and snap-on mounting onto 35 m standard mounting rail height 10 mm	 due to burst acc. to IEC 61000-4-4 	2 kV network connection / 1 kV control connection
61000-4-5 10 V/m field-based interference acc. to IEC 61000-4-2 10 V/m safety related data 10 V/m protection class IP on the front acc. to IEC 60529 IP20 type of insulation Basic insulation category acc. to EN 954-1 none Connactions/Torminals reve-type terminals product component removable terminal for auxiliary and control circuit Yes solid 1x (0.5 4.0 mm ²), 2x (0.5 2.5 mm ²) • solid 1x (0.5 4.0 mm ²), 2x (0.5 1.5 mm ²) • solid 1x (0.5 4.0 mm ²), 2x (0.5 1.5 mm ²) • solid 1x (0.5 4.0 mm ²), 2x (0.5 1.5 mm ²) • solid 0.5 4 m ² • inely stranded with core end processing 2x (20 14) • old 0.5 4 m ² • solid 0.5 4 m ² • stranded 20 14 • stranded 20 14 • stranded 20 14 • stranded 0 the connection screw	 due to conductor-earth surge acc. to IEC 61000-4-5 	2 kV
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 type of insulation Basic insulation none Connections/Terminals product component removable terminal for auxiliary and control circuit Yes screw-type deficitical connectable conductor cross-sections screw-type terminals t/(0.5 4.0 mm²), 2x (0.5 2.5 mm²) • solid 1x (0.5 4.0 mm²), 2x (0.5 1.5 mm²) x(20 14) screw-type terminals • solid 0.5 4 mm² 0.5 2.5 mm² 0.5 2.5 mm² • solid 0.5 4 mm² 0.5 2.5 mm² 0.5 2.5 mm² • solid 0.5 4 mm² 0.5 2.5 mm² 0.5 2.5 mm² AWG number as coded connectable conductor cross section 0.5 4 m² 0.5 2.5 mm² • solid 0.5 4 0 mm² 0.5 2.5 mm² 0.5 2.5 mm² AWG number as coded connectable conductor cross section 0.5 4 0 mm² 0.5 2.5 mm² • solid 0.5 4 0 mm² 0.5 2.5 mm² 0.5 2.5 mm² MWG number as coded connectable conductor cros		1 kV
electrostatic discharge ac. to IEC 61000-4-2 4 kV contact discharge / 8 kV air discharge Safety related data ippotection class IP on the front acc. to IEC 60529 type of insulation Basic insulation category acc. to EN 954-1 none Connections/ Terminals Yes product component removable terminal for auxiliary and control circuit Yes type of electrical connection for auxiliary and control circuit screw-type terminals type of electrical connectable conductor cross-sections 1x (0.5 4.0 mm ²), 2x (0.5 2.5 mm ²) • solid 1x (0.5 4.0 mm ²), 2x (0.5 1.5 mm ²) • at AWG cables stranded 2x (20 14) • solid 0.5 4 mm ² • stranded 20 14 tightening torque 0.8 12 N·m design of the thread of the connection screw M3 Installation/ mounting / dimensions any mounting position any fastening method screw and snap-on mounting onto 35 mm standard mounting rail height 91 mm required spacing 0 mm • oftwards 0 mm or mm 0 mm		
Safety related data IP20 type of insulation Basic insulation category acc. to EN 954-1 none Connections/ Terminals Yes product component removable terminal for auxiliary and control circuit screw-type terminals type of electrical connection for auxiliary and control circuit screw-type terminals • solid 1x (0.5 4.0 mm ²), 2x (0.5 2.5 mm ²) • solid 1x (0.5 4.0 mm ²), 2x (0.5 2.5 mm ²) • at AWG cables solid 2x (20 14) • at AWG cables stranded 2x (20 14) connectable conductor cross-section 0.5 4 mm ² • solid 0.5 2.5 mm ³ More number as coded connectable conductor cross section 0.5 2.5 mm ³ mounting position any stranded 20 14 tightheming torque 0.8 1.2 N·m design of the thread of the connection screw M3 Installation/ mounting/ dimensions any mounting position any screw and s		
protection class IP on the front acc. to IEC 60529 IP20 type of insulation Basic insulation category acc. to EN 954-1 none Connections/Terminals Yes product component removable terminal for auxiliary and control circuit Yes type of electrical connection for auxiliary and control circuit screw-type terminals type of electrical connection for auxiliary and control circuit screw-type terminals type of electrical connection for auxiliary and control circuit screw-type terminals type of electrical connectable conductor cross-section 0.5 4.0 mm²), 2x (0.5 2.5 mm²) • at AWG cables stranded 2x (20 14) connectable conductor cross-section 0.5 4 mm² • finely stranded with core end processing 0.5 4 mm² • solid 0.5 4 mm² • solid 0.6 1.2 N m design of the thread of the connection screw M3 Installation/ mounting / dimensions any mounting position any fastening method screw and snap-on mounting onto 35 mm standard mounting rail height 102 mm width 22.5 mm		4 kV contact discharge / 8 kV air discharge
type of insulation Basic insulation category acc. to EN 954-1 none Connections/ Terminals product component removable terminal for auxiliary and control circuit Yes type of electrical connectable conductor cross-sections screw-type terminals • solid 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) • if nely stranded with core end processing 1x (0.5 4.0 mm²), 2x (0.5 1.5 mm²) • at AWG cables solid 2x (20 14) connectable conductor cross-section 0.5 4 mm² • solid 0.5 2.5 mm²) • solid 2x (20 14) connectable conductor cross-section 0.5 2.5 mm² • solid 20 14 connectable conductor cross-section 0.5 2.5 mm² • solid 20 14 estranded 20 14 estranded 20 14 itstellation/ mounting/ dimensions mounting position mounting position any fastening method screw and snap-on mounting onto 35 mm standard mounting rail height 102 mm width 22.5 mm depth		
category acc. to EN 954-1 none Connections/ Torminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit screw-type terminals type of onnectable conductor cross-sections screw-type terminals • solid 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) • at AWG cables solid 2x (20 14) connectable conductor cross-section 2x (20 14) e at AWG cables stranded 0.5 2.5 mm² AWG number as coded connectable conductor cross section 0.5 2.5 mm² e finely stranded with core end processing 0.5 2.5 mm² AWG number as coded connectable conductor cross section 0.5 2.5 mm² • solid 20 14 e stranded 20 14 tightening torque 0.8 1.2 N·m design of the thread of the connection screw M3 Installation/ mounting/ dimensions any mounting position any fastening method screw and snap-on mounting onto 35 mm standard mounting rail height 102 mm width 22.5 mm depth 91 mm required spacing 0 mm - backwards 0 mm - downwards 0 mm	•	
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Installation/ mounting/ dimensions mounting position any fastening method screw and snap-on mounting onto 35 mm standard mounting rail height 102 mm width 22.5 mm depth 91 mm required spacing • with side-by-side mounting - forwards 0 mm - backwards 0 mm - upwards 0 mm - downwards 0 mm	tightening torque	0.8 1.2 N·m
mounting positionanyfastening methodscrew and snap-on mounting onto 35 mm standard mounting railheight102 mmwidth22.5 mmdepth91 mmrequired spacing • with side-by-side mounting0 mm- forwards0 mm- backwards0 mm- upwards0 mm- downwards0 mm- downwards0 mm	design of the thread of the connection screw	M3
fastening method screw and snap-on mounting onto 35 mm standard mounting rail height 102 mm width 22.5 mm depth 91 mm required spacing 0 mm - forwards 0 mm - backwards 0 mm - upwards 0 mm - downwards 0 mm	Installation/ mounting/ dimensions	
height 102 mm width 22.5 mm depth 91 mm required spacing • with side-by-side mounting - forwards 0 mm - backwards 0 mm - upwards 0 mm - downwards 0 mm	mounting position	any
width 22.5 mm depth 91 mm required spacing • with side-by-side mounting - forwards 0 mm - backwards 0 mm - upwards 0 mm - downwards 0 mm	fastening method	screw and snap-on mounting onto 35 mm standard mounting rail
depth 91 mm required spacing 91 mm • with side-by-side mounting 0 mm - forwards 0 mm - backwards 0 mm - upwards 0 mm - downwards 0 mm	height	102 mm
required spacing • with side-by-side mounting — forwards 0 mm — backwards 0 mm — upwards 0 mm — downwards 0 mm	width	22.5 mm
• with side-by-side mounting 0 mm — forwards 0 mm — backwards 0 mm — upwards 0 mm — downwards 0 mm	depth	91 mm
forwards 0 mm backwards 0 mm upwards 0 mm downwards 0 mm	required spacing	
— backwards 0 mm — upwards 0 mm — downwards 0 mm	 with side-by-side mounting 	
	— forwards	0 mm
- downwards 0 mm	— backwards	0 mm
	— upwards	0 mm
	— downwards	0 mm
— at the side 0 mm	dominardo	

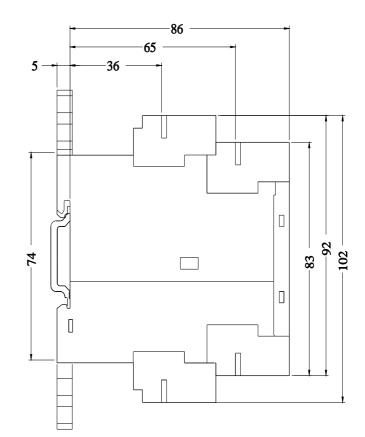
 for grounded particular 					
— forwards			0 mm		
— backwards			0 mm		
— upwards	, ,		0 mm		
— at the side			0 mm		
— downward			0 mm		
 for live parts 					
forwards			0 mm		
— backwards	;		0 mm		
— upwards			0 mm		
— downwards		0 mm			
— at the side		0 mm			
Ambient conditions					
installation altitude at height above sea level maximum		2 000 m			
ambient temperature	-				
 during operation 			-25 +60 °C		
 during storage 			-40 +85 °C		
 during transport 	t		-40 +85 °C		
relative humidity durin			10 95 %		
Certificates/ approval	S				
General Product Ap				EMC	Declaration of Conformity
SA CEA		(h) u	EHC	RCM	<u>Miscellaneous</u>
Declaration of Conformity	Test Certificates	Marine / Ship	ping		
	Test Certificates	Marine / Ship	ping Hoyds Register uts	PRS	RINA
Conformity	Type Test Certific-	Marine / Ship	Llovd's Register	FRS	RINA
Conformity CEG-Konf.	Type Test Certific-	BUREAU VERITAS	Lloyds Register uts	Railway Special Test Certific- ate	RINA
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RP1533-1AP30&lang=en

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/3RP1533-1AP30/manual





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