SIEMENS

Data sheet 3RP2005-1BW30



Timing relay, electronic Multifunction, 16 functions 2 change-over contacts 24 to 240 V AC/DC at 50/60 Hz AC 0.05 s to 100 h Overall width 45 mm screw terminal

product designation design of the product product type designation 3RP20 Ceneral technical data product component • relay output • semi-conductor output product extension required remote control product extension required remote control No power loss [W] maximum 2 W insulation voltage for overvoltage category III according to IEC 80064 with degree of pollution 3 rated value test voltage for isolation test degree of pollution surge voltage resistance rated value 4 000 V shock resistance according to IEC 80068-2-7 11g / 15 ms vibration resistance according to IEC 80068-2-6 10 55 Hz / 0.35 mm mechanical service life (switching cycles) hybical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time 10 0.05 100 s relative setting accuracy relating to full-scale value 5 %; +/- thermal current minimum ON period 35 ms reference code according to IEC 81346-2 K relative repeat accuracy 1 1 %; +/- influence of the surrounding temperature 25 % Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC 4 at 50 Hz 4 at 60 Hz ve at 60 Hz ves duptical duffunctional Multifunctional 3RP20 Replay Yes Ves 3RP20 Replay Yes 300 V ELC 80068-2 0 300 V ELC 80069-2-1 11g / 15 ms 300 V 12 hz / 15 ms 300 V 12 hz / 15 ms 300 V 12 hz / 15 ms 4 hz / 15 ms 5 ms 6 hz / 15 ms 7 hz / 15 ms 8 hz / 15 ms 9 hz	product brand name	SIRIUS			
product type designation General technical data product component • relay output • semi-conductor output No product extension required remote control product extension optional remote control No power loss [W] maximum 2 W insulation voltage for overvoltage category III according to IEC 600664 with degree of pollution 3 rated value test voltage for isolation test degree of pollution 3 surge voltage resistance rated value 4 000 V shock resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time 0.05 100 s relative setting accuracy relating to full-scale value thermal current 5 A minimum ON period 35 ms recovery time reference code according to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature ± 5 % power supply influence 1 1 % Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC • at 60 Hz Ves 2 w. 24 240 V • at 60 Hz Ves ves yes yes yes yes yes yes y	product designation	timing relay			
General technical data product component • relay output • semi-conductor output No product extension required remote control product extension optional remote control No power loss [W] maximum 2 W insulation voltage for overvoltage category III according to IEC 80664 with degree of pollution 3 rated value test voltage for isolation test degree of pollution 3 urge voltage resistance rated value shock resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-26 mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical electrical endurance (switching cycles) typical adjustable time relative setting accuracy relating to full-scale value for seminimum ON period reference code according to IEC 81346-2 reference code according to IEC 81346-2 reference code according to IEC 81346-2 refletive repeat accuracy 1 %; +/- influence of the surrounding temperature ±5 % Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz • at 60 Hz Yes Yes Yes Yes 4 W. Yes 300 V 2 W. 400 V 400	design of the product	Multifunctional			
relative setting accuracy relating to full-scale value thermal current adjustable time reference code according to IEC 81346-2 trelative repeat accuracy influence of the Surrounding temperature type of voltage of the control supply voltage control circuit/ Control type of voltage of the control supply voltage control supply voltage of the control supply voltage e at 50 Hz e at 50 Hz e at 50 Hz e at 50 Hz e voltage of the control supply voltage e at 50 Hz e at 50 Hz e at 50 Hz e voltage or seriation control No	product type designation	3RP20			
• relay output • semi-conductor output 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 test voltage for isolation test degree of pollution 3 surge voltage resistance rated value 4 000 V shock resistance according to IEC 60068-2-27 11g / 15 ms vibration resistance according 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 0.05 100 s relative setting accuracy relating to full-scale value thermal current finimum ON period recovery time 150 ms reference code according to IEC 81346-2 relative repeat accuracy 1%; +/- influence of the surrounding temperature ± 5 % power supply influence 11 % Substance Prohibitance (Date) 05/01/2012 Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz • at 60 Hz Yes No No No No 100 100 2 W 300 V 2 LV 300 V 2 LV 4 240 V 24 240 V 24 240 V 24 240 V	General technical data				
semi-conductor output product extension required remote control product extension optional remote control power loss IW] maximum power loss IW] maximum 2 W insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value test voltage for isolation test degree of pollution 3 surge voltage resistance rated value 4 000 V shock resistance according to IEC 60068-2-27 11g / 15 ms vibration resistance according to IEC 60068-2-6 10 55 Hz / 0.35 mm mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical 10 000 000 electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time 15 A minimum ON period 150 ms reference code according to IEC 81346-2 relative repeat accuracy 196; +/- influence of the surrounding temperature 25 % substance Prohibitance (Date) O5001/2012 Control circuit/ Control type of voltage of the control supply voltage oat 50 Hz at 50 Hz 4 240 V - at 60 Hz	product component				
product extension required remote control product extension optional remote control No power loss [W] maximum Insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value test voltage for isolation test degree of pollution 3 surge voltage resistance rated value 4 000 V shock resistance according to IEC 60068-2-27 11g / 15 ms vibration resistance according 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 elative setting accuracy relating to full-scale value thermal current 5 A minimum ON period 35 ms recovery time 150 ms reference code according to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature ± 5 % substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz • at 50 Hz 2 W 300 V 2 W 300 V 2 W 300 V 2 W 300 V 2 W 300 V 30	relay output	Yes			
product extension optional remote control power loss [W] maximum 2 W insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value test voltage for isolation test 2 kV degree of pollution 3 surge voltage resistance rated value 4 000 V shock resistance according to IEC 60068-2-27 11g / 15 ms vibration resistance according 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 adjustable time 2 setting accuracy relating to full-scale value 5 %; +/- thermal current 5 A minimum ON period 35 ms recovery time 150 ms reference code according to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature ±5 % power supply influence 11 % Substance Prohibitance (Date) 5 // Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC at 50 Hz at 60 Hz 2 W 300 V 2 W 300 V 2 W 300 V 2 kV 4000 V 4000 V 4000 V 500 V 500 V 500 SUB ST MS Tender of the surrounding temperature 5 % 5 % 5 % 5 % 5 //- 150 ms Teference code according to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature 5 % 5 % 5 % 5 % 5 //- 2 4 240 V 2 4 240 V 2 4 240 V	semi-conductor output	No			
power loss [W] maximum insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value test voltage for isolation test degree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-27 vibration resistance according 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 faminimum ON period recovery time reference code according to IEC 81346-2 reference code according to IEC 81346-2 reference of the surrounding temperature ±5 % power supply influence \$\frac{1}{2}\$ % of the Control supply voltage 1 at AC • at 50 Hz • at 50 Hz 2 W 300 V	product extension required remote control	No			
insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value test voltage for isolation test degree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-27 vibration resistance according 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 shown and the setting accuracy relating to full-scale value thermal current shown and the setting accuracy reference code according to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence power supply influence type of voltage of the control supply voltage control supply voltage 1 at AC at 50 Hz at 50 Hz at 000 V 2 kV degree of pollution 3 rated value 4 000 V 19 / 15 ms 10 000 000 10	product extension optional remote control	No			
test voltage for isolation test degree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time claim on the setting accuracy relating to full-scale value thermal current shown reference code according to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence supply voltage of the control supply voltage control supply voltage 1 at AC at 50 Hz at 000 V at 000 V at 000 V 119 / 15 ms 100 000	power loss [W] maximum	2 W			
degree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-27 vibration resistance according 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 faminimum ON period recovery time reference code according to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC at 60 Hz at 000 V 11g / 15 ms 11g / 15 ms 11g / 15 ms 110 000 000 1		300 V			
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shock resistance according to IEC 60068-2-27 vibration resistance according 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 minimum ON period reference code according to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage at 50 Hz at 24 240 V at 60 Hz 10 55 Hz / 0.35 mm 10 000 100 000	degree of pollution	3			
vibration resistance according to IEC 60068-2-6 mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time relative setting accuracy relating to full-scale value thermal current 5 A minimum ON period reference code according to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage adjustable time 0.05 100 s 0.05	surge voltage resistance rated value	4 000 V			
mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time 0.05 100 s relative setting accuracy relating to full-scale value thermal current 5 A minimum ON period 35 ms recovery time 150 ms reference code according to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature power supply influence ±1 % Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz • at 60 Hz 100 000 100 00	shock resistance according to IEC 60068-2-27	11g / 15 ms			
electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time 0.05 100 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 according to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature power supply influence ±1 % Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage • at 50 Hz • at 50 Hz • at 60 Hz 100 000 100 0	vibration resistance according to IEC 60068-2-6	10 55 Hz / 0.35 mm			
adjustable time adjustable time clare setting accuracy relating to full-scale value frelative setting accuracy relating to full-scale value 5 %; +/- thermal current 5 A minimum ON period 35 ms recovery time 150 ms reference code according to IEC 81346-2 K relative repeat accuracy influence of the surrounding temperature ±5 % power supply influence 5 A **Telative repeat accuracy 1 %; +/- **Influence of the surrounding temperature 25 % power supply influence 5 A **A **Control circuit/ Control type of voltage of the control supply voltage **Control supply voltage 1 at AC **at 50 Hz **at 60 Hz **at 60 Hz **A **A **Control circuit/ Control 24 240 V **at 60 Hz **A **A **A **A **A **A **A *	mechanical service life (switching cycles) typical	10 000 000			
relative setting accuracy relating to full-scale value thermal current 5 A minimum ON period 35 ms recovery time 150 ms reference code according to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature ±5 % power supply influence \$\frac{\pmathbf{1}}{2}\$ % Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz • at 60 Hz • at 60 Hz 24 240 V	· • • • • • • • • • • • • • • • • • • •	100 000			
thermal current minimum ON period recovery time reference code according to IEC 81346-2 K relative repeat accuracy influence of the surrounding temperature power supply influence substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC at 50 Hz at 60 Hz 5 A 1 %; +/- 1 %; +/- 1 % Substance Prohibitance (Date) 05/01/2012 Control circuit/ Control 24 240 V 4 240 V	adjustable time	0.05 100 s			
minimum ON period recovery time 150 ms reference code according to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature power supply influence \$\frac{\pmathbf{t}}{2}\$ % Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage at 50 Hz at 50 Hz at 60 Hz 24 240 V 24 240 V		5 %; +/-			
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reference code according to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature ±5 % power supply influence ±1 % Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz • at 60 Hz AC/DC	minimum ON period	35 ms			
relative repeat accuracy influence of the surrounding temperature ±5 % power supply influence ±1 % Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz • at 60 Hz 1 %; +/- ±5 % 05/01/2012 Control circuit/ Control AC/DC 24 240 V 24 240 V	recovery time				
influence of the surrounding temperature power supply influence ±1 % Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz • at 60 Hz • at 60 Hz • 24 240 V	reference code according to IEC 81346-2				
power supply influence ±1 % Substance Prohibitance (Date) 05/01/2012 Control circuit/ Control type of voltage of the control supply voltage AC/DC control supply voltage 1 at AC • at 50 Hz 24 240 V • at 60 Hz 24 240 V	<u> </u>	•			
Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz • at 60 Hz 24 240 V	influence of the surrounding temperature	±5 %			
type of voltage of the control supply voltage control supply voltage 1 at AC at 50 Hz at 60 Hz AC/DC 24 240 V 24 240 V	power supply influence	±1 %			
type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz • at 60 Hz AC/DC 24 240 V 24 240 V	Substance Prohibitance (Date)	05/01/2012			
control supply voltage 1 at AC ● at 50 Hz 24 240 V ● at 60 Hz 24 240 V	Control circuit/ Control				
 at 50 Hz at 60 Hz 24 240 V 24 240 V 	type of voltage of the control supply voltage	AC/DC			
• at 60 Hz 24 240 V	control supply voltage 1 at AC				
	● at 50 Hz	24 240 V			
	● at 60 Hz	24 240 V			
control supply voltage frequency 1 50 60 Hz	control supply voltage frequency 1	50 60 Hz			
control supply voltage 1	control supply voltage 1				
● at DC 24 240 V	• at DC	24 240 V			
operating range factor control supply voltage rated	operating range factor control supply voltage rated				

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	0.8
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
Switching Function	
switching function	
ON-delay	Yes
ON-delay/instantaneous contact	Yes
passing make contact	Yes
 passing make contact/instantaneous contact 	Yes
OFF delay	No
switching function	
flashing symmetrically with interval start/instantaneous	Yes
flashing symmetrically with interval start	Yes
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	Yes
switching function with control signal	
additive ON-delay	Yes
passing break contact	Yes
passing break contact/instantaneous	Yes
OFF delay	Yes
OFF delay/instantaneous	Yes
pulse delayed	No
pulse delayed/instantaneous	No
• pulse-shaping	Yes
pulse-shaping/instantaneous	Yes
additive ON-delay/instantaneous	Yes
ON-delay/OFF-delay/instantaneous	Yes
passing make contact	No
passing make contact/instantaneous contact	Yes
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	<u> </u>
delayed switching	0
instantaneous contact	0
number of NO contacts	
named of ito contacts	

delayed switching	0		
instantaneous contact	0		
number of CO contacts			
delayed switching	2		
instantaneous contact	0		
operational current of auxiliary contacts at AC-15			
• at 24 V	3 A		
• at 250 V	3 A 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		
Inputs/ Outputs			
product function			
• non-volatile	No		
Electromagnetic compatibility			
EMC emitted interference according to IEC 61812-1	EN 61000.6-4(3)		
EMC immunity according to IEC 61812-1	EN 61000-6-4(3) EN 61000-6-2		
conducted interference	LIN 01000-0-2		
due to burst according to IEC 61000-4-4	2 kV network connection / 1 kV control connection		
due to burst according to IEC 0 1000-4-4 due to conductor-earth surge according to IEC	2 kV		
61000-4-5	ZIV		
 due to conductor-conductor surge according to IEC 61000-4-5 	1 kV		
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			
Safety related data protection class IP on the front according to IEC 60529	IP20		
protection class IP on the front according to IEC	IP20 finger-safe, for vertical contact from the front		
protection class IP on the front according to IEC 60529			
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front		
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation	finger-safe, for vertical contact from the front Basic insulation		
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation category according to EN 954-1	finger-safe, for vertical contact from the front Basic insulation		
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary	finger-safe, for vertical contact from the front Basic insulation none		
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit	finger-safe, for vertical contact from the front Basic insulation none No screw-type terminals		
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid	finger-safe, for vertical contact from the front Basic insulation none No screw-type terminals 2x (0,51,5 mm²), 2x (0,75 2,5 mm²)		
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing	finger-safe, for vertical contact from the front Basic insulation none No screw-type terminals 2x (0,51,5 mm²), 2x (0,75 2,5 mm²) 2x (0,51,5 mm²), 2x (0,75 2,5 mm²)		
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	finger-safe, for vertical contact from the front Basic insulation none No screw-type terminals 2x (0,51,5 mm²), 2x (0,75 2,5 mm²) 2x (0,51,5 mm²), 2x (0,75 2,5 mm²) 2x (18 14)		
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protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	finger-safe, for vertical contact from the front Basic insulation none No screw-type terminals 2x (0,51,5 mm²), 2x (0,75 2,5 mm²) 2x (0,51,5 mm²), 2x (0,75 2,5 mm²) 2x (18 14) 2x (18 14)		
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	finger-safe, for vertical contact from the front Basic insulation none No screw-type terminals 2x (0,51,5 mm²), 2x (0,75 2,5 mm²) 2x (0,51,5 mm²), 2x (0,75 2,5 mm²) 2x (18 14) 2x (18 14)		
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	finger-safe, for vertical contact from the front Basic insulation none No screw-type terminals 2x (0,51,5 mm²), 2x (0,75 2,5 mm²) 2x (0,51,5 mm²), 2x (0,75 2,5 mm²) 2x (18 14) 2x (18 14)		
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	finger-safe, for vertical contact from the front Basic insulation none No screw-type terminals 2x (0,51,5 mm²), 2x (0,75 2,5 mm²) 2x (0,51,5 mm²), 2x (0,75 2,5 mm²) 2x (18 14) 2x (18 14) 0.5 2.5 mm² 0.5 2.5 mm²		
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	finger-safe, for vertical contact from the front Basic insulation none No screw-type terminals 2x (0,51,5 mm²), 2x (0,75 2,5 mm²) 2x (0,51,5 mm²), 2x (0,75 2,5 mm²) 2x (18 14) 2x (18 14) 0.5 2.5 mm² 0.5 2.5 mm²		
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protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • 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 • stranded tightening torque	finger-safe, for vertical contact from the front Basic insulation none No screw-type terminals 2x (0,51,5 mm²), 2x (0,75 2,5 mm²) 2x (0,51,5 mm²), 2x (0,75 2,5 mm²) 2x (18 14) 2x (18 14) 0.5 2.5 mm² 0.5 2.5 mm² 18 14 18 14 0.8 1.2 N·m		
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	finger-safe, for vertical contact from the front Basic insulation none No screw-type terminals 2x (0,51,5 mm²), 2x (0,75 2,5 mm²) 2x (0,51,5 mm²), 2x (0,75 2,5 mm²) 2x (18 14) 2x (18 14) 0.5 2.5 mm² 0.5 2.5 mm²		
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	finger-safe, for vertical contact from the front Basic insulation none No screw-type terminals 2x (0,51,5 mm²), 2x (0,75 2,5 mm²) 2x (0,51,5 mm²), 2x (0,75 2,5 mm²) 2x (18 14) 2x (18 14) 0.5 2.5 mm² 0.5 2.5 mm² 18 14 18 14 0.8 1.2 N·m		
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General Product Approval		FMC	Declaration of
Certificates/ approvals			
relative humidity during operation	10 95 %		
during transport	-40 +85 °C		
during storage	-40 +85 °C		
during operation	-25 +60 °C		
ambient temperature			
installation altitude at height above sea level maximum	2 000 m		
Ambient conditions			
— at the side	0 mm		
— downwards	0 mm		
— upwards	0 mm		
— backwards	0 mm		
— forwards	0 mm		
for live parts			
— downwards	0 mm		
— at the side	0 mm		
— upwards	0 mm		
— backwards	0 mm		
— forwards	0 mm		
for grounded parts	O IIIIII		
— at the side	0 mm		
— upwards — downwards	0 mm		
— upwards	0 mm		
— forwards — backwards	0 mm 0 mm		
with side-by-side mounting	0		



General Product Approval

Confirmation







EMC

Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report









Conformity

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=3RP2005-1BW30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RP2005-1BW30

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

https://support.industry.siemens.com/cs/ww/en/ps/3RP2005-1BW30

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RP2005-1BW30\&lang=en}$

Characteristic: Derating https://support.industry.siemens.com/cs/ww/en/ps/3RP2005-1BW30/manual

12/9/2021 last modified: