SIEMENS

Data sheet 3RP2005-2AP30



Timing relay, electronic Multifunction, 8 functions 1 change-over contact 24 V AC/DC, 200 to 240 V AC at 50/60 Hz AC 0.05 s to 100 h Overall width 45 mm Spring-type terminal

product designation design of the product product type designation 3RP20 General technical data product component • relay output • semi-conductor output No product extension required remote control No power loss [W] maximum 2 W insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 arete value test voltage for isolation test 4 W 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 vertical endurance (switching output) reference code according to IEC 81346-2 Reference	product brand name	SIRIUS			
product type designation General technical data product component • relay output • semi-conductor output product extension required remote control product extension required remote control 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 uurge voltage resistance rated value 4 000 V shock resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 inechanical 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 termal 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 45 % power supply influence 15 (Si) Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage at 60 Hz rated value 4 40 V	product designation	timing relay			
General technical data product component • relay output • semi-conductor output No product extension required remote control power loss [W] maximum 2 W insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value test voltage for isolation test degree of pollution 3 surge voltage resistance rated value shock resistance according to IEC 60068-2-27 wibration resistance according to IEC 60068-2-26 mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time relative setting accuracy relating to full-scale value tehermal current faminimum ON period reference code according to IEC 81346-2 reference code according to IEC 81346-2 K relative repeat accuracy 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 rated value • at 60 Hz rated value 2 4 V volue 1 Yes Yes 300 V 2 W 300 V 300 V 2 W 300 V 300 V 300 V 2 W 300 V 300	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 Survivalidation of the Control supply voltage 1 the Substance Prohibitance (Date) ves emi-conductor output No No No No power loss [W] maximum 2 W insulation voltage for overvoltage category III according to IEC 80068 with degree of pollution 3 rated value test voltage for isolation test 2 kV degree of pollution 3 asurge 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 10 000 000 100 00	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 ± 1 % Substance Prohibitance (Date) 05/01/2012 Control circuit/ Control type of voltage of the control supply voltage at 50 Hz rated value 24 V at 50 Hz rated value 24 V • at 60 Hz rated value 24 V	General technical data				
semi-conductor output product extension required remote control product extension optional remote control power loss [W] maximum product extension optional remote control power loss [W] maximum 2 W insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value test voltage for isolation test degree of pollution 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 electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time 10 000 000 relative setting accuracy relating to full-scale value thermal current 5 A minimum ON period recovery time 150 ms reference code according to IEC 81346-2 relative repeat accuracy 1 %; +/- influence of the surrounding temperature 25 % substance Prohibitance (Date) 05/01/2012 Control circuit/ Control type of voltage of the control supply voltage at 50 Hz rated value at 50 Hz rated value at 50 Hz rated value 4 at 60 Hz rated value	product component				
product extension required remote control product extension optional remote control No power loss [W] maximum sinsulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value test voltage for isolation test degree of pollution surge voltage resistance rated value 4 000 V 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 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) 05/01/2012 Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC at 50 Hz rated value 24 V at 60 Hz rated value 24 V at 60 Hz rated value	• 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 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 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 ±1 % 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 rated value • at 60 Hz rated value • at 60 Hz rated value • at 60 Hz rated value • at 60 Hz rated value • at 60 Hz rated value • at 60 Hz rated value • at 60 Hz rated value	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 60068-2-7 vibration resistance according to IEC 60068-2-6 vibration resistance according to IEC 60068-2-6 in 55 Hz / 0.35 mm mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time relative setting accuracy relating to full-scale value thermal current 5 A minimum ON period recovery time 150 ms reference code according to IEC 81346-2 reference code according to IEC 81346-2 reflative repeat accuracy influence of the surrounding temperature ±5 % power supply influence ±1 % Substance Prohibitance (Date) Control supply voltage 1 at AC • at 50 Hz rated value • at 60 Hz rated value • at 60 Hz rated value • 24 V - at 60 Hz rated value 24 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 finimum ON period recovery time reference code according to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence yello (Date) Control circuit/ Control type of voltage of the control supply voltage at 50 Hz rated value at 60 Hz rated value 2 kV degree of pollution 3 rated value 4 000 V 3 sm 10 000 000 10 000 000 10 000 000 10 000 00	product extension optional remote control	No			
test voltage for isolation test degree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-7 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 siminimum ON period reference code according to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence sut of the surrounding temperature type of voltage of the control supply voltage control supply voltage 1 at AC at 50 Hz rated value 2 kV 4 000 V 11g / 15 ms 11g / 10 000 000 100 000	power loss [W] maximum	2 W			
degree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-27 11g / 15 ms 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 recovery time reference code according to IEC 81346-2 relative repeat accuracy 1 %; +/- influence of the surrounding temperature ±5 % power supply influence 5 // 1 % Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz rated value • at 60 Hz rated value 24 V • at 60 Hz rated value 24 V		300 V			
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 5 A minimum ON period reference code according to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature ±5 % power supply influence \$1 \text{ %}; +/- themal current \$5 \text{ %} \$7 \text{ influence Othe burrounding temperature} \$5 \text{ %} \$1 \text{ %} \$2 \text{ W} \$2 \text{ Control circuit/ Control} type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz rated value • at 60 Hz rated value • at 60 Hz rated value 24 \text{ V}	test voltage for isolation test	2 kV			
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 claim accuracy relating to full-scale value thermal current 5 A minimum ON period recovery time reference code according to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature 5 % power supply influence 5 ubstance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage at 50 Hz rated value at 60 Hz rated value 24 V 4 V	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 (switching cycles) typical 10 0.00 000 1	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 \$\frac{1}{2}\$\$ % Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage \$\frac{2}{2}\$\$ V • at 50 Hz rated value • at 60 Hz rated value 24 V 24 V	shock resistance according to IEC 60068-2-27	11g / 15 ms			
electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time clative setting accuracy relating to full-scale value ferently setting accuracy relating to full-scale value for thermal current for the minimum ON period for recovery time for the surrounding to IEC 81346-2 for elative repeat accuracy for the surrounding temperature for	vibration resistance according to IEC 60068-2-6	10 55 Hz / 0.35 mm			
adjustable time adjustable time clarive setting accuracy relating to full-scale value frequency thermal current for A minimum ON period for a 150 ms recovery time for a 150 ms reference code according to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence for a 150 ms for 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 influence of the surrounding temperature ±5 % power supply influence \$\frac{\pmathbf{\text{themsolution}}{\pmathbf{\text{themsolution}}}\$ Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage \$\text{AC/DC}\$ control supply voltage 1 at AC \$\text{at 50 Hz rated value}\$ \$\text{at 60 Hz rated value}\$ \$\text{24 V} \$\text{at 60 Hz rated value}\$ \$\text{24 V}	` ,	100 000			
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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 control supply voltage 1 at AC • at 50 Hz rated value • at 60 Hz rated value 24 V	relative setting accuracy relating to full-scale value	5 %; +/-			
recovery time 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 rated value • at 60 Hz rated value 24 V	thermal current	5 A			
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 rated value • at 60 Hz rated value 24 V	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 rated value • at 60 Hz rated value 24 V	recovery time	150 ms			
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 rated value • at 60 Hz rated value 24 V	reference code according to IEC 81346-2	K			
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 rated value • at 60 Hz rated value 24 V	relative repeat accuracy	•			
Substance Prohibitance (Date) Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz rated value • at 60 Hz rated value 24 V	influence of the surrounding temperature	±5 %			
type of voltage of the control supply voltage control supply voltage 1 at AC at 50 Hz rated value at 60 Hz rated value 24 V	power supply influence	±1 %			
type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz rated value • at 60 Hz rated value 24 V	Substance Prohibitance (Date)	05/01/2012			
control supply voltage 1 at AC • at 50 Hz rated value 24 V • at 60 Hz rated value 24 V	Control circuit/ Control				
 at 50 Hz rated value at 60 Hz rated value 24 V 24 V 	type of voltage of the control supply voltage	AC/DC			
• at 60 Hz rated value 24 V	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	control supply voltage 2 at AC				
• at 50 Hz 200 240 V	● at 50 Hz	200 240 V			
● at 60 Hz 200 240 V	● at 60 Hz	200 240 V			
control supply voltage frequency 1 50 60 Hz	control supply voltage frequency 1	50 60 Hz			

control supply voltage 1	24.1/
at DC rated value	24 V
operating range factor control supply voltage rated value at DC	
• initial value	0.7
• 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	Yes
ON-delay/instantaneous contact	No
passing make contact	Yes
passing make contact/instantaneous contact	No
OFF delay	No
switching function	
flashing symmetrically with interval	No
start/instantaneous	
 flashing symmetrically with interval start 	Yes
 flashing symmetrically with pulse start/instantaneous 	No
flashing symmetrically with pulse start	No
flashing symmetrically 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	Yes
passing break contact	Yes
passing break contact/instantaneous	No
OFF delay	Yes
 OFF delay/instantaneous 	No
• pulse delayed	No
 pulse delayed/instantaneous 	No
pulse-shaping	Yes
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	Si di Si
 retrotriggerable with deactivated control signal/instantaneous contact 	No
retrotriggerable with switched-on control signal	No
retrotriggerable with switched-on control	No
signal/instantaneous contact	
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

• instantaneous contact	0
instantaneous contact number of NO contacts	U
number of NO contacts	0
delayed switching instantaneous contact	0
	U
number of CO contacts	4
delayed switching intertences contact	1
instantaneous contact	0
operational current of auxiliary contacts at AC-15	0.4
• at 24 V	3 A
• at 250 V	3 A
operational current of auxiliary contacts at DC-13	4.4
• 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 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 61000-6-2
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 61000-4-5 	2 kV
 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	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
type of insulation	Basic insulation
category according to EN 954-1	none
Connections/ Terminals	
product component removable terminal for auxiliary and control circuit	No
type of electrical connection for auxiliary and control circuit	spring-loaded terminals
type of connectable conductor cross-sections	
• solid	2x (0,25 2,5 mm²)
• finely stranded with core end processing	2 x (0.25 1.5 mm²)
finely stranded with core end processingfinely stranded without core end processing	2 x (0.25 1.5 mm²) 2x (0.25 2.5 mm²)
 finely stranded with core end processing finely stranded without core end processing at AWG cables solid 	2 x (0.25 1.5 mm²) 2x (0.25 2.5 mm²) 2x (24 14)
 finely stranded with core end processing finely stranded without core end processing at AWG cables solid at AWG cables stranded 	2 x (0.25 1.5 mm²) 2x (0.25 2.5 mm²)
 finely stranded with core end processing finely stranded without core end processing at AWG cables solid at AWG cables stranded connectable conductor cross-section	2 x (0.25 1.5 mm²) 2x (0.25 2.5 mm²) 2x (24 14) 2x (24 14)
finely stranded with core end processing finely stranded without core end processing at AWG cables solid at AWG cables stranded connectable conductor cross-section solid	2 x (0.25 1.5 mm²) 2x (0.25 2.5 mm²) 2x (24 14) 2x (24 14) 0.3 2.5 mm²
 finely stranded with core end processing finely stranded without core end processing at AWG cables solid at AWG cables stranded connectable conductor cross-section solid finely stranded with core end processing 	2 x (0.25 1.5 mm²) 2x (0.25 2.5 mm²) 2x (24 14) 2x (24 14) 0.3 2.5 mm² 0.3 1.5 mm²
 finely stranded with core end processing finely stranded without core end processing at AWG cables solid at AWG cables stranded connectable conductor cross-section solid finely stranded with core end processing finely stranded without core end processing 	2 x (0.25 1.5 mm²) 2x (0.25 2.5 mm²) 2x (24 14) 2x (24 14) 0.3 2.5 mm²
finely stranded with core end processing finely stranded without core end processing at AWG cables solid at AWG cables stranded connectable conductor cross-section solid finely stranded with core end processing finely stranded without core end processing AWG number as coded connectable conductor cross section	2 x (0.25 1.5 mm²) 2x (0.25 2.5 mm²) 2x (24 14) 2x (24 14) 0.3 2.5 mm² 0.3 1.5 mm² 2.5 2.5 mm²
finely stranded with core end processing finely stranded without core end processing at AWG cables solid at AWG cables stranded connectable conductor cross-section solid finely stranded with core end processing finely stranded without core end processing AWG number as coded connectable conductor cross section solid	2 x (0.25 1.5 mm²) 2x (0.25 2.5 mm²) 2x (24 14) 2x (24 14) 0.3 2.5 mm² 0.3 1.5 mm² 2.5 2.5 mm²
finely stranded with core end processing finely stranded without core end processing at AWG cables solid at AWG cables stranded connectable conductor cross-section solid finely stranded with core end processing finely stranded without core end processing AWG number as coded connectable conductor cross section solid solid stranded	2 x (0.25 1.5 mm²) 2x (0.25 2.5 mm²) 2x (24 14) 2x (24 14) 0.3 2.5 mm² 0.3 1.5 mm² 2.5 2.5 mm²
finely stranded with core end processing finely stranded without core end processing at AWG cables solid at AWG cables stranded connectable conductor cross-section solid finely stranded with core end processing finely stranded without core end processing AWG number as coded connectable conductor cross section solid stranded Installation/ mounting/ dimensions	2 x (0.25 1.5 mm²) 2x (0.25 2.5 mm²) 2x (24 14) 2x (24 14) 0.3 2.5 mm² 0.3 1.5 mm² 2.5 2.5 mm²
finely stranded with core end processing finely stranded without core end processing at AWG cables solid at AWG cables stranded connectable conductor cross-section solid finely stranded with core end processing finely stranded without core end processing AWG number as coded connectable conductor cross section solid stranded Installation/ mounting/ dimensions mounting position	2 x (0.25 1.5 mm²) 2x (0.25 2.5 mm²) 2x (24 14) 2x (24 14) 0.3 2.5 mm² 0.3 1.5 mm² 2.5 2.5 mm²
finely stranded with core end processing finely stranded without core end processing at AWG cables solid at AWG cables stranded connectable conductor cross-section solid finely stranded with core end processing finely stranded without core end processing AWG number as coded connectable conductor cross section solid stranded Installation/ mounting/ dimensions mounting position fastening method	2 x (0.25 1.5 mm²) 2x (0.25 2.5 mm²) 2x (24 14) 2x (24 14) 0.3 2.5 mm² 0.3 1.5 mm² 2.5 2.5 mm² 24 14 any screw and snap-on mounting onto 35 mm standard mounting rail
finely stranded with core end processing finely stranded without core end processing at AWG cables solid at AWG cables stranded connectable conductor cross-section solid finely stranded with core end processing finely stranded without core end processing AWG number as coded connectable conductor cross section solid stranded Installation/ mounting/ dimensions mounting position	2 x (0.25 1.5 mm²) 2x (0.25 2.5 mm²) 2x (24 14) 2x (24 14) 0.3 2.5 mm² 0.3 1.5 mm² 2.5 2.5 mm²

depth	73 mm		
required spacing			
 with side-by-side mounting 			
— forwards	0 mm		
— backwards	0 mm		
— upwards	0 mm		
— downwards	0 mm		
— at the side	0 mm		
 for grounded parts 			
— forwards	0 mm		
— backwards	0 mm		
— upwards	0 mm		
— at the side	0 mm		
— downwards	0 mm		
for live parts			
— forwards	0 mm		
— backwards	0 mm		
— upwards	0 mm		
— downwards	0 mm		
— at the side	0 mm		
Ambient conditions			
installation altitude at height above sea level maximum	2 000 m		
ambient temperature			
 during operation 	-25 +60 °C		
during storage	-40 +85 °C		
during transport	-40 +85 °C		
relative humidity during operation	10 95 %		
Certificates/ approvals			
General Product Approval		EMC	Declaration of Conformity



Confirmation









Conformity

Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report









Marine / Shipping

other



Confirmation

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=3RP2005-2AP30

Cax online generator

 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RP2005-2AP30}$

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

 $\underline{https://support.industry.siemens.com/cs/ww/en/ps/3RP2005-2AP30}$

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RP2005-2AP30&lang=en

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/3RP2005-2AP30/manual

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