## **SIEMENS**

Data sheet 3RP2005-1AP30



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 screw terminal

product designation design of the product pedesignation SRP20  General technical data  product yed esignation SRP20  General technical data  product component  • relay output  • semi-conductor output  product extension required remote control  product extension optional remote control  power loss [W] maximum  2 W  insulation voltage for overvoltage category III according to IEC 60664 with degree of polition's rated value  test voltage for isolation test  degree of polition's rated value  4 000 V  shock resistance according to IEC 60668-2-7 11g / 15 ms  mechanical service life (operating cycles) typical  electrical endurance (operating 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  reference code according to IEC 81348-2  relative repeat accuracy  1 1%, +/-  influence of the surrounding temperature  55 %  power supply influence  11 %, +/-  influence of the surrounding temperature  5 SW  Substance Prohibitance (Date)  SVHC substance name  Biel -7439-92-1  Biel -743	product brand name	SIRIUS
product type designation  General technical data  product component  • relay output  • semi-conductor output  • relay output  • semi-conductor output  product extension required remote control  product extension optional remote control  power loss [W] maximum  power loss [W] maximum  2 W  Insulation voltage for overvoltage category III according to IEC  6064 with degree of pollution 3 rated value  test voltage for isolation test  degree of pollution  3 aurge voltage resistance rated value  4 000 V  shock resistance according to IEC 60088-2-27  11g / 15 ms  mechanical service life (operating cycles) typical  electrical endurance (operating cycles) typical  electrical endurance (operating cycles) typical  electrical endurance (operating cycles) typical  final under the setting accuracy relating to full-scale value  5 %; +/-  thermal current  5 A  minimum ON period  35 ms  recovery time  reference code according to IEC 81346-2  K  relative repeat accuracy  influence of the surrounding temperature  25 %  Substance Prohibitance (Date)  SVHC substance name  Biei-7439-92-1  Bieimonoxid (Bieioxid) - 1317-36-8  Bieimonoxid (Bieioxid) - 1	product designation	timing relay
General technical date  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 rated value  test voltage for isolation test  2 kV  degree of pollution  3 Surge voltage resistance rated value  4 4000 V  shock resistance according to IEC 60068-2.27  11g / 15 ms  mechanical service life (operating cycles) typical  adjustable time  relative setting accuracy relating to full-scale value  5 %; +/-  thermal current  5 A  minimum ON period  recovery time  150 ms  reference code according to IEC 81346-2  relative repeat accuracy  1 1%; +/-  Influence of the surrounding temperature  2 5 %  power supply influence  SUHC Substance Prohibitance (Date)  6 IBIC 7439-92-1  Bleimonoxid (Bleioxid) - 1317-36-8  Bleimonox	design of the product	Multifunctional
product component Prelay output Peam-conductor output Product extension required remote control Product extension optional remote control Product extension required remote control supply influence Product extension required remote control supply voltage Product extension remote control supply voltage at AC Product outrol supply voltage at AC Product extension remote control supply voltage at AC Product extension remote control supply voltage a	product type designation	3RP20
* relay output     * semi-conductor output     * semi-conductor output     * semi-conductor output     * semi-conductor output     * product extension required remote control     * No     * product extension optional remote control     * No     * power loss [W] maximum     * 2 W     * insulation voitage for overvoitage category III according to IEC     * 80064 with degree of pollution     * 300 V     * degree of pollution     * 3     * surge voitage resistance rated value     * 4 000 V     * shock resistance according to IEC 60068-2-27     * 11g / 15 ms     * mechanical service life (operating cycles) typical     * 100 000 000     * shock resistance according to IEC 60068-2-27     * 11g / 15 ms     * mechanical service life (operating cycles) typical     * 100 000 000     * sleative setting     * 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     * 25 %     * Substance Prohibitance (Date)     * 50/01/2012  SVHC substance name    ** Substance Prohibitance (Date)     * 150 / 12/12  SVHC substance name  ** Bielinoxing (Bleioxid) - 1317-36-8     * Bielitlanzirkonoxid - 12626-81-2  **Control supply voltage 1 at AC     * at 50 Hz rated value     * at 60 Hz rated value	General technical data	
Semi-conductor output     product extension required remote control     No     product extension optional remote control     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     surge voltage resistance rated value     shock resistance according to IEC 80068-2-27     11g / 15 ms     mechanical service life (operating cycles) typical     electrical endurance (operating cycles) at AC-15 at 230 V typical     adjustable time	product component	
product extension required remote control product extension optional remote control power loss [W] maximum power l	relay output	Yes
product extension optional remote control 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 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 mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical adjustable time 0.05 100 s relative setting accuracy relating to full-scale value 5 %; +/- thermal current 5 A minimum ON period 7 recovery time 7 ference code according to IEC 81346-2 8 relative repeat accuracy 1 1 %; +/- Influence of the surrounding temperature 4 5 % power supply influence 4 1 % Substance Prohibitance (Date) 5 VHC substance name 8 leietinazirkonoxid - 12626-81-2  Control circuit/ Control  type of voltage of the control supply voltage 2 4 V 2 4 V 2 4 V 2 6 4t 60 Hz rated value 2 4 V 2 control supply voltage 2 at AC 4 at 50 Hz 2 20 240 V	• semi-conductor output	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 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 mechanical service life (operating cycles) typical 10 000 000 electrical endurance (operating cycles) typical 10 000 000 electrical endurance (operating 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 reference code according to IEC 81346-2 K relative repeat accuracy 1 1%; +/- influence of the surrounding temperature 45 % power supply influence 11 % Substance Prohibitance (Date) 05/01/2012 SVHC substance name Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2  Control circuit/ Control  Type of voltage of the control supply voltage 24 V at 60 Hz rated value 24 V control supply voltage 2 at AC at 50 Hz	product extension required remote control	No
insulation voltage for overvoltage category III according to IEC 80664 with degree of pollution 3 rated value test voltage for isolation test 2 kV degree of pollution 3 a surge voltage resistance rated value 4 000 V shock resistance according to IEC 60068-2-27 11g / 15 ms mechanical service life (operating cycles) typical 10 000 000 electrical endurance (operating 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 1%; +/- influence of the surrounding temperature ±5 % power supply influence 11 % Substance Prohibitance (Date) 501/2012 SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleittanzirkonoxid - 12626-81-2  Control circuit/ Control type of voltage of the control supply voltage AC/DC  control supply voltage 1 at AC	product extension optional remote control	No
test voltage for isolation test  test voltage for isolation test  degree of pollution  surge voltage resistance rated value  shock resistance according to IEC 60068-2-27  11g / 15 ms  mechanical service life (operating cycles) typical  electrical endurance (operating 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  influence of the surrounding temperature  5 %  power supply influence  3th %  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Bleimonoxid (Bleioxid) - 1317-36-8  Bleittanzirkonoxid - 12626-81-2  Control circuit/ Control  type of voltage of the control supply voltage  at 50 Hz rated value  24 V  at 60 Hz rated value  24 V  at 50 Hz rated value  24 V  control supply voltage 2 at AC  at 50 Hz  200 240 V	power loss [W] maximum	2 W
degree of pollution  surge voltage resistance rated value  shock resistance according to IEC 60068-2-27  mechanical service life (operating cycles) typical electrical endurance (operating 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 25 % Substance Prohibitance (Date)  SVHC substance name Biei-7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2  Control circuit/ Control  type of voltage of the control supply voltage at 50 Hz rated value 24 V  eat 50 Hz rated value 24 V  control supply voltage 2 at AC eat 50 Hz  eat 50 Hz  200 240 V		300 V
surge voltage resistance rated value  shock resistance according to IEC 60068-2-27  11g / 15 ms  mechanical service life (operating cycles) typical  electrical endurance (operating 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  7 reference code according to IEC 81346-2  Felative repeat accuracy  1 %; +/-  influence of the surrounding temperature  5 %  Substance Prohibitance (Date)  SVHC substance name  8 lei- 7439-92-1  Sleimmonoxid (Bleioxid) - 1317-36-8  Bleittanzirkonoxid - 12626-81-2  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  control supply voltage 2 at AC  at 50 Hz  200 240 V	test voltage for isolation test	2 kV
shock resistance according to IEC 60068-2-27  mechanical service life (operating cycles) typical electrical endurance (operating 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 ±5 % power supply influence ±1 % Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleittanzirkonoxid - 12626-81-2  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 control supply voltage 2 at AC • at 50 Hz • at 50 Hz  100 000 1	degree of pollution	3
mechanical service life (operating cycles) typical electrical endurance (operating 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 ±5 % power supply influence ±1 % Substance Prohibitance (Date)  SVHC substance name Blei-7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleilttanzirkonoxid - 12626-81-2  Control circuit/ Control type of voltage of the control supply voltage at 50 Hz rated value 44 V at 60 Hz rated value 24 V control supply voltage 2 at AC at 50 Hz 200 240 V	surge voltage resistance rated value	4 000 V
electrical endurance (operating 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 11 %; +/- influence of the surrounding temperature ±5 % power supply influence ±1 % Substance Prohibitance (Date)  SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleitttanzirkonoxid - 12626-81-2  Control circuit/ Control type of voltage of the control supply voltage • at 50 Hz rated value • at 60 Hz rated value 24 V control supply voltage 2 at AC • at 50 Hz • at 50 Hz 200 240 V	shock resistance according to IEC 60068-2-27	11g / 15 ms
adjustable time	mechanical service life (operating 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  power supply influence  \$\frac{1}{2}\$ %  Substance Prohibitance (Date)  \$\frac{1}{2}\$ \frac{1}{2}\$ \frac{1}{2}\$ %  SUHC substance name  \$\frac{1}{2}\$ \frac{1}{2}\$ \frac{1}{		100 000
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{\text{th}}}{2}\$  Substance Prohibitance (Date)  \$\frac{\text{DFO}}{2}\$  SVHC substance name  \$\frac{\text{Blei}}{2}\$  Blei - 7439-92-1  Bleimonoxid (Bleioxid) - 1317-36-8  Bleititanzirkonoxid - 12626-81-2   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 50 Hz rated value	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  ±5 %  power supply influence  \$\text{\$\tex	relative setting accuracy relating to full-scale value	5 %; +/-
recovery time  reference code according to IEC 81346-2  K  relative repeat accuracy  influence of the surrounding temperature  ±5 %  power supply influence  ±1 %  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Bleimonoxid (Bleioxid) - 1317-36-8  Bleititanzirkonoxid - 12626-81-2  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 50 Hz  control supply voltage 2 at AC  • at 50 Hz  • at 50 Hz	thermal current	5 A
reference code according to IEC 81346-2  R relative repeat accuracy 1 %; +/-  influence of the surrounding temperature  ±5 %  power supply influence 2±1 %  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Bleimonoxid (Bleioxid) - 1317-36-8  Bleititanzirkonoxid - 12626-81-2  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage 1 at AC  • at 50 Hz rated value 24 V  control supply voltage 2 at AC  • at 50 Hz  • at 50 Hz  200 240 V	minimum ON period	35 ms
relative repeat accuracy  influence of the surrounding temperature  power supply influence  ±1 %  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Bleimonoxid (Bleioxid) - 1317-36-8  Bleititanzirkonoxid - 12626-81-2  Control circuit/ Control  type of voltage of the control supply voltage  AC/DC  control supply voltage 1 at AC  • at 50 Hz rated value  • at 60 Hz rated value  24 V  control supply voltage 2 at AC  • at 50 Hz  200 240 V	recovery time	150 ms
influence of the surrounding temperature  power supply influence  \$\frac{\pmathbf{\temperature}}{\pmathbf{\temperature}} \frac{\pmathbf{\temperature}}{\pmathbf{\temperature}} \frac{\pmathbf{\temperature}}{\pmathbf{\temperature}}} \frac{\pmathbf{\temperature}}{\pmathbf{\temperature}}} \frac{\pmathbf{\temperature}}{\pm	reference code according to IEC 81346-2	К
power supply influence  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2  Control circuit/ Control  type of voltage of the control supply voltage  AC/DC  control supply voltage 1 at AC  at 50 Hz rated value  at 60 Hz rated value  at 60 Hz rated value  24 V  control supply voltage 2 at AC  at 50 Hz  control supply voltage 2 at AC  at 50 Hz  control supply voltage 2 at AC  at 50 Hz	relative repeat accuracy	1 %; +/-
Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2  Control circuit/ Control  type of voltage of the control supply voltage  AC/DC  control supply voltage 1 at AC  • at 50 Hz rated value  • at 60 Hz rated value  • at 50 Hz  control supply voltage 2 at AC  • at 50 Hz  control supply voltage 2 at AC  • at 50 Hz	influence of the surrounding temperature	±5 %
SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2  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  control supply voltage 2 at AC  • at 50 Hz rated value 24 V  control supply voltage 2 at AC  • at 50 Hz	power supply influence	±1 %
Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2  Control circuit/ Control  type of voltage of the control supply voltage	Substance Prohibitance (Date)	05/01/2012
type of voltage of the control supply voltage  control supply voltage 1 at AC  at 50 Hz rated value  at 60 Hz rated value  control supply voltage 2 at AC  at 50 Hz  control supply voltage 2 at AC  at 50 Hz  200 240 V	SVHC substance name	Bleimonoxid (Bleioxid) - 1317-36-8
control supply voltage 1 at AC       24 V         • at 50 Hz rated value       24 V         • at 60 Hz rated value       24 V         control supply voltage 2 at AC       at 50 Hz         • at 50 Hz       200 240 V	Control circuit/ Control	
● at 50 Hz rated value 24 V  ● at 60 Hz rated value 24 V  control supply voltage 2 at AC  ● at 50 Hz 2 200 240 V	type of voltage of the control supply voltage	AC/DC
• at 60 Hz rated value  control supply voltage 2 at AC         • at 50 Hz  24 V  200 240 V	control supply voltage 1 at AC	
control supply voltage 2 at AC  • at 50 Hz  200 240 V	• at 50 Hz rated value	24 V
• at 50 Hz 200 240 V	at 60 Hz rated value	24 V
	control supply voltage 2 at AC	
• at 60 Hz	● at 50 Hz	200 240 V
	• at 60 Hz	200 240 V

control cumply voltage frequency 4	E0
control supply voltage frequency 1	50 60 Hz
control supply voltage 1	24 \
at DC rated value	24 V
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	0.85
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
<ul> <li>ON-delay/instantaneous contact</li> </ul>	No
passing make contact	Yes
<ul> <li>passing make contact/instantaneous contact</li> </ul>	No
OFF delay	No
switching function	
<ul> <li>flashing symmetrically with interval start/instantaneous</li> </ul>	No
<ul> <li>flashing symmetrically with interval start</li> </ul>	Yes
• flashing symmetrically with pulse start/instantaneous	No
<ul> <li>flashing symmetrically with pulse start</li> </ul>	No
<ul> <li>flashing asymmetrically with interval start</li> </ul>	No
<ul> <li>flashing asymmetrically with pulse start</li> </ul>	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     passing make contact/instantaneous contact	No
switching function of interval relay with control signal	110
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
material of switching contacts number of NC contacts	AgSnO2
number of NC contacts	AgSnO2
•	

number of NO contacts	
<ul> <li>delayed switching</li> </ul>	0
instantaneous contact	0
number of CO contacts	
<ul> <li>delayed switching</li> </ul>	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
• 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 61000-6-2
conducted interference	
<ul> <li>due to burst according to IEC 61000-4-4</li> </ul>	2 kV network connection / 1 kV control connection
due to conductor-earth surge according to IEC 61000-4-5	2 kV
<ul> <li>due to conductor-conductor surge according to IEC 61000-4-5</li> </ul>	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	
category according to EN 954-1	none
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
Connections/ Terminals	
product component removable terminal for auxiliary and	No
control circuit	
type of electrical connection for auxiliary and control circuit	screw-type terminals
type of connectable conductor cross-sections	
• solid	2x (0,51,5 mm²), 2x (0,75 2,5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0,51,5 mm²), 2x (0,75 2,5 mm²)
<ul> <li>for AWG cables solid</li> </ul>	2x (18 14)
• for AWG cables stranded	2x (18 14)
connectable conductor cross-section	
• solid	0.5 2.5 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²
AWG number as coded connectable conductor cross	
section	
• solid	18 14
• stranded	18 14
tightening torque	0.8 1.2 N·m
design of the thread of the connection screw	M3
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm DIN rail
height	57 mm
width	45 mm
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
<ul> <li>for grounded parts</li> </ul>	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— at the side	0 mm
— downwards	0 mm
<ul> <li>for live parts</li> </ul>	
— 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	
<ul> <li>during operation</li> </ul>	-25 +60 °C
during storage	-40 +85 °C
during transport	-40 +85 °C
relative humidity during operation	10 95 %
Approvals Certificates	

Approvals Certificates

**General Product Approval** 

EMC

Declaration of Conformity

Confirmation











Declaration of Con-

**Test Certificates** 

Marine / Shipping



Type Test Certificates/Test Report









Marine / Shipping

other



Confirmation

## Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RP2005-1AP30

Cax online generator

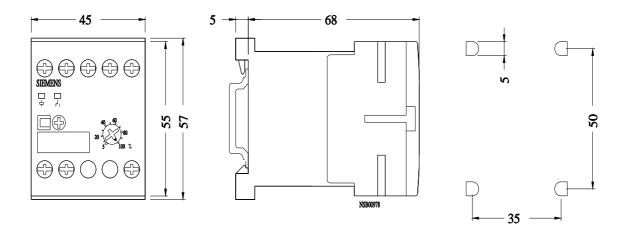
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RP2005-1AP30}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RP2005-1AP30

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RP2005-1AP30\&lang=en}}$ 



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