## **SIEMENS**

Data sheet 3RP2560-2SW30



Timing relay, electronic with star-delta (wye-delta) function 1-20 s, Overshoot time 30-600 s 3 NO contacts with common potential 12-240 V AC/DC at 50/60 Hz AC with LED, 0.85 ...1.1 US

product type designation  design of the product product type designation  General technical data  product component	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 60064 with degree of pollution 3 rated value  test voltage for isolation test  degree of pollution  3 surge voltage resistance rated value  4 000 V  protection class IP  shock resistance acc. to IEC 60068-2-7  tipl / 15 ms  vibration resistance acc. 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  reference code acc. to IEC 81446-2  K  recovery time  reference code acc. to IEC 81446-2  influence of the surrounding temperature  power supply influence  1 % in the whole temperature range to the set runtime  power supply influence  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage 1 at AC  • at 50 Hz  • at 0C  12 240 V  control outply voltage 1  • at DC  13 240 V  15 240 V  15 240 V	product designation	timing relay
Product component   Felay output   Product component   Felay output   Product component   Felay output   Product extension required remote control   No   Product extension optional remote control   No   Production   Pro	design of the product	Star-delta (wye-delta) function with overtravel function (idling)
product component  • relay output  • semi-conductor output  No  product extension required remote control  product extension optional remote control  power loss [W] maximum  IEC 80684 with degree of pollution 3 rated value  test voltage for overvoltage category III according to  IEC 80684 with degree of pollution 3 rated value  test voltage for isolation test  degree of pollution  3 surge voltage resistance rated value  protection class IP  IP20  shock resistance acc. to IEC 60068-2-27  vibration resistance acc. 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  recovery time  reference code acc. to IEC 81346-2  krelative repeat accuracy  1 %; +/-  influence of the surrounding temperature  power supply influence  1 12.09 2014  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage 1  • at DC  12 240 V  control supply voltage 1  • at DC  12 240 V  control supply voltage 1  • at DC  12 240 V	product type designation	3RP25
• relay output • semi-conductor output Product extension required remote control Product extension optional remote control No Product extension optional remote control No Power loss [W] maximum Power loss [	General technical data	
• 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 protection class IP IP20 shock resistance acc. to IEC 60068-2-67 vibration resistance acc. 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 relative setting accuracy relating to full-scale value thermal current 5 A recovery time reference code acc. to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature power supply influence Substance Prohibitance (Date) 2	product component	
product extension required remote control product extension optional remote control power loss [W] maximum power loss [W] maximum lisulation 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 protection class IP shock resistance acc. to IEC 60068-2-27 yibration resistance acc. to IEC 60068-2-6 1055 Hz / 0.35 mm mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical adjustable time relative setting accuracy relating to full-scale value thermal current recovery time 300 ms reference code acc. to IEC 81346-2 Krelative repeat accuracy 11%; +/- influence of the surrounding temperature power supply influence Substance Prohibitance (Date)  Control circuit/ Control type of voltage of the control supply voltage ent DC  ent DC  12 240 V  ent DC  12 240 V  control supply voltage 1  ent DC  12 240 V  control supply voltage 1  ent DC  12 240 V  control supply voltage 1  ent DC  12 240 V  control supply voltage 1  ent DC  12 240 V	<ul> <li>relay output</li> </ul>	Yes
product extension optional remote control 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 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 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 recovery time 300 ms reference code acc. to IEC 81346-2 Krelative 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 DC 12 240 V control supply voltage frequency 1 control supply voltage 1 e at DC  12 240 V	<ul> <li>semi-conductor output</li> </ul>	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  4 000 V  protection class IP  shock resistance acc. to IEC 60068-2-27  vibration resistance acc. 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  facevery time  reference code acc. 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  e at 50 Hz  e at DC  12 240 V  control supply voltage frequency 1  control supply voltage frequency 1  control supply voltage 1  e at DC  12 240 V  control supply voltage 1  e at DC  12 240 V  control supply voltage frequency 1  control supply voltage frequency 1  control supply voltage 1  e at DC  12 240 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 3 surge voltage resistance rated value protection class IP shock resistance acc. to IEC 60068-2-27 IIg / 15 ms vibration resistance acc. to IEC 60068-2-66 protection class IP shock resistance acc. to IEC 60068-2-66 II 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 recovery time 300 ms reference code acc. to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature power supply influence Substance Prohibitance (Date) 12 240 V at 60 Hz control supply voltage 1 at AC e at 50 Hz control supply voltage frequency 1 e at DC 12 240 V control supply voltage 1 e at DC 12 240 V control supply voltage 1 e at DC	product extension optional remote control	No
test voltage for isolation test degree of pollution 3 rated value  test voltage for isolation test 2.5 kV  degree of pollution  surge voltage resistance rated value protection class IP 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 electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time relative setting accuracy relating to full-scale value thermal current for ecovery time 300 ms reference code acc. to IEC 81346-2 reference code acc. to IEC 81346-2 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 control supply voltage frequency 1  at DC  12 240 V  control supply voltage 1  at DC  12 240 V  control supply voltage 1  at DC  12 240 V  control supply voltage 1  at DC  12 240 V	power loss [W] maximum	2 W
degree of pollution surge voltage resistance rated value protection class IP 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 electrical endurance (switching cycles) typical adjustable time relative setting accuracy relating to full-scale value thermal current frecovery time 300 ms reference code acc. to IEC 81346-2 relative repeat accuracy 1% 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 control supply voltage frequency 1 at DC  12 240 V control supply voltage 1 at DC  12 240 V control supply voltage 1 at DC  12 240 V		300 V
surge voltage resistance rated value  protection class IP  shock resistance acc. to IEC 60068-2-27  vibration resistance acc. 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  frecovery time  reference code acc. 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 DC  10 55 Hz / 0.35 mm  100 000  119 000  12 240 V  2 240 V  control supply voltage frequency 1  e at DC  12 240 V  control supply voltage frequency 1  e at DC  12 240 V	test voltage for isolation test	2.5 kV
protection class IP  shock resistance acc. to IEC 60068-2-27  vibration resistance acc. 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  frecovery time  source of the surrounding temperature  power supply influence  Substance Prohibitance (Date)  Control circuit/ Control  type of voltage of the control supply voltage  at 60 Hz  control supply voltage 1  at DC  at 20 0000000000000000000000000000000000	degree of pollution	3
shock resistance acc. to IEC 60068-2-27 vibration resistance acc. 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 thermal current solve relative repeat accuracy reference code acc. 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 of the Control supply voltage 1 at AC at 50 Hz	surge voltage resistance rated value	4 000 V
vibration resistance acc. 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 ference code acc. 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 e at 50 Hz e at 60 Hz control supply voltage 1 e at DC  10 55 Hz / 0.35 mm  10 000 000  10 00	protection class IP	IP20
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 recovery time 300 ms reference code acc. 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 o at 50 Hz • at 50 Hz • at 60 Hz  control supply voltage 1 • at DC  10 000 000  10 000 10 00	shock resistance acc. to IEC 60068-2-27	11g / 15 ms
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  recovery time  300 ms  reference code acc. 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  control supply voltage frequency 1  control supply voltage 1  • at DC  100 000  1 20 s  1 20 v  2 240 v	vibration resistance acc. to IEC 60068-2-6	10 55 Hz / 0.35 mm
adjustable time  adjustable time  relative setting accuracy relating to full-scale value  thermal current  5 A  recovery time  300 ms  reference code acc. to IEC 81346-2  Relative repeat accuracy  influence of the surrounding temperature  power supply influence  1% in the whole temperature range to the set runtime  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  control supply voltage frequency 1  control supply voltage 1  at DC  12 240 V  control supply voltage 1  at DC  12 240 V  control supply voltage 1  at DC	mechanical service life (switching cycles) typical	10 000 000
relative setting accuracy relating to full-scale value  thermal current  5 A  recovery time  300 ms  reference code acc. 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  o at 50 Hz  • at 60 Hz  control supply voltage 1  • at DC  12 240 V  control supply voltage 1  • at DC  12 240 V  12 240 V  control supply voltage 1  • at DC  12 240 V	`	100 000
thermal current  recovery time  300 ms  reference code acc. 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  control supply voltage frequency 1  control supply voltage 1  at DC  12 240 V  control supply voltage 1  at DC  12 240 V	adjustable time	1 20 s
recovery time  reference code acc. 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  e at 50 Hz  • at 60 Hz  control supply voltage frequency 1  • at DC  12 240 V  control supply voltage 1  • at DC  12 240 V  control supply voltage 1  • at DC  12 240 V  control supply voltage 1  • at DC	relative setting accuracy relating to full-scale value	5 %; +/-
reference code acc. 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 60 Hz  control supply voltage frequency 1  control supply voltage 1  • at DC   1 %; +/-  1 %; in the whole temperature range to the set runtime  1 % in the whole voltage range to the set runtime  AC/DC  Control circuit/ Control  1 2 240 V  1 2 240 V  control supply voltage frequency 1  50 60 Hz  control supply voltage 1  • at DC  1 2 240 V	thermal current	5 A
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 60 Hz  control supply voltage 1	recovery time	300 ms
influence of the surrounding temperature  power supply influence  Substance Prohibitance (Date)  Control circuit/ Control  type of voltage of the control supply voltage  o at 50 Hz  o at 60 Hz  control supply voltage frequency 1  o at DC  12 240 V  12 240 V  12 240 V  13 240 V  14 240 V  15 240 V  16 240 V  26 240 V  27 240 V  28 240 V  29 240 V  20 240 V	reference code acc. to IEC 81346-2	K
power supply influence  Substance Prohibitance (Date)  12.09.2014  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage 1 at AC  • at 50 Hz • at 60 Hz  control supply voltage frequency 1  control supply voltage 1  • at DC  12 240 V  12 240 V  13 240 V  14 240 V  15 240 V  25 240 V  26 240 V	relative repeat accuracy	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  control supply voltage frequency 1  control supply voltage 1  • at DC  12 240 V  12 240 V  12 240 V  13 240 V  14 240 V  15 240 V  15 240 V	influence of the surrounding temperature	1% in the whole temperature range to the set runtime
type of voltage of the control supply voltage  control supply voltage 1 at AC  at 50 Hz  at 60 Hz  control supply voltage frequency 1  control supply voltage 1  at DC  AC/DC  AC/DC  AC/DC  12 240 V  50 60 Hz  12 240 V	power supply influence	1% in the whole voltage range to the set runtime
type of voltage of the control supply voltage  control supply voltage 1 at AC  at 50 Hz  at 60 Hz  control supply voltage frequency 1  control supply voltage 1  at DC  AC/DC  AC/DC  12 240 V  12 240 V  12 240 V  13 240 V  14 240 V  15 240 V	Substance Prohibitance (Date)	12.09.2014
control supply voltage 1 at AC         ● at 50 Hz       12 240 V         ● at 60 Hz       12 240 V         control supply voltage frequency 1       50 60 Hz         control supply voltage 1       12 240 V	Control circuit/ Control	
• at 50 Hz         • at 60 Hz         • at 60 Hz          control supply voltage frequency 1         • at DC          12 240 V          50 60 Hz          12 240 V          12 240 V	type of voltage of the control supply voltage	AC/DC
• at 60 Hz	control supply voltage 1 at AC	
control supply voltage frequency 1 50 60 Hz  control supply voltage 1  ● at DC 12 240 V	● at 50 Hz	12 240 V
control supply voltage 1  • at DC  12 240 V	● at 60 Hz	12 240 V
• at DC 12 240 V	control supply voltage frequency 1	50 60 Hz
	control supply voltage 1	
operating range factor control supply voltage rated	• at DC	12 240 V
	operating range factor control supply voltage rated	

value of DC	
value at DC	
• initial value	0.8
• full-scale value	1.1
operating range factor control supply voltage rated value at AC at 50 Hz	
initial value	0.8
full-scale value	1.1
operating range factor control supply voltage rated value at AC at 60 Hz	
• initial value	0.8
full-scale value	1.1
inrush current peak	
• at 24 V	0.5 A
• at 240 V	5 A
duration of inrush current peak	
• at 24 V	0.4 ms
• at 240 V	0.5 ms
Switching Function	
switching function	
<ul> <li>ON-delay</li> </ul>	No
<ul> <li>ON-delay/instantaneous contact</li> </ul>	No
<ul> <li>passing make contact</li> </ul>	No
<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>	No
<ul> <li>flashing symmetrically with pulse start/instantaneous</li> </ul>	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	
<ul> <li>star-delta circuit with delay time</li> </ul>	Yes
star-delta circuit	No
switching function with control signal	
<ul> <li>additive ON-delay</li> </ul>	No
<ul> <li>passing break contact</li> </ul>	No
<ul> <li>passing break contact/instantaneous</li> </ul>	No
OFF delay	No
<ul> <li>OFF delay/instantaneous</li> </ul>	No
pulse delayed	No
<ul> <li>pulse delayed/instantaneous</li> </ul>	No
<ul><li>pulse-shaping</li></ul>	No
<ul><li>pulse-shaping/instantaneous</li></ul>	No
<ul> <li>additive ON-delay/instantaneous</li> </ul>	No
<ul> <li>ON-delay/OFF-delay/instantaneous</li> </ul>	No
<ul> <li>passing make contact</li> </ul>	No
passing make contact/instantaneous contact	No
<ul> <li>switching function of interval relay with control signal</li> <li>retrotriggerable with deactivated control</li> </ul>	No
signal/instantaneous contact	
<ul> <li>retrotriggerable with switched-on control signal</li> </ul>	No
<ul> <li>retrotriggerable with switched-on control signal/instantaneous contact</li> </ul>	No
<ul> <li>retriggerable with deactivated control signal</li> </ul>	No
Short-circuit protection	
design of the fuse link for short-circuit protection of the auxiliary switch required	fuse gL/gG: 4 A
Auxiliary circuit	
Taxmary on our	

	1.0.00
material of switching contacts	AgSnO2
number of NC contacts delayed switching	0
number of NO contacts delayed switching	2
number of CO contacts delayed switching	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
switching capacity current with inductive load	0.01 3 A
Inputs/ Outputs	
product function	
at the relay outputs switchover delayed/without delay	No
non-volatile	No
Electromagnetic compatibility	
	ambianas A (industrial soctor)
EMC emitted interference acc. to IEC 61812-1	ambience A (industrial sector)
EMC immunity acc. to IEC 61812-1  conducted interference	corresponds to degree of severity 3
	013/1-4
• due to burst acc. to IEC 61000-4-4	2 kV network connection / 1 kV control connection
due to conductor-earth surge acc. to IEC 61000-4-5	2 kV
due to conductor-conductor surge acc. to IEC     61000-4-5	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	
Safety related data protection class IP on the front acc. to IEC 60529	IP20
	IP20 Basic insulation
protection class IP on the front acc. to IEC 60529	
protection class IP on the front acc. to IEC 60529 type of insulation	Basic insulation
protection class IP on the front acc. to IEC 60529 type of insulation category acc. to EN 954-1	Basic insulation
protection class IP on the front acc. to IEC 60529 type of insulation category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary	Basic insulation none
protection class IP on the front acc. to IEC 60529 type of insulation category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit	Basic insulation none  Yes
protection class IP on the front acc. to IEC 60529 type of insulation category acc. to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit	Basic insulation none  Yes
protection class IP on the front acc. to IEC 60529 type of insulation category acc. 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	Basic insulation none  Yes  spring-loaded terminals (push-in)
protection class IP on the front acc. to IEC 60529 type of insulation category acc. 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	Basic insulation none  Yes  spring-loaded terminals (push-in)  0.5 4 mm²
protection class IP on the front acc. to IEC 60529 type of insulation category acc. 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	Basic insulation none  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm²
protection class IP on the front acc. to IEC 60529 type of insulation category acc. 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	Basic insulation none  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm²
protection class IP on the front acc. to IEC 60529 type of insulation category acc. 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	Basic insulation none  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12
protection class IP on the front acc. to IEC 60529 type of insulation category acc. 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	Basic insulation none  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12
protection class IP on the front acc. to IEC 60529 type of insulation category acc. 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 • finely stranded without core end processing • at AWG cables solid • at AWG cables stranded  connectable conductor cross-section • solid	Pasic insulation none  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12
protection class IP on the front acc. to IEC 60529 type of insulation category acc. 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	Basic insulation none  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12  0.5 4 mm² 0.5 2.5 mm²
protection class IP on the front acc. to IEC 60529 type of insulation category acc. 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	Basic insulation none  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12
protection class IP on the front acc. to IEC 60529 type of insulation category acc. 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	Basic insulation none  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12  20 12  0.5 4 mm² 0.5 4 mm² 0.5 4 mm²
protection class IP on the front acc. to IEC 60529 type of insulation category acc. 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  • 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 with core end processing  • finely stranded without core end processing  • finely stranded without core end processing  • solid  AWG number as coded connectable conductor cross section  • solid	Basic insulation none  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12  20 12  0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 4 mm²
protection class IP on the front acc. to IEC 60529 type of insulation category acc. 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 • 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 with core end processing • finely stranded without core end processing • finely stranded without core end processing  AWG number as coded connectable conductor cross section • solid • stranded	Basic insulation none  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12  20 12  0.5 4 mm² 0.5 4 mm² 0.5 4 mm²
protection class IP on the front acc. to IEC 60529 type of insulation category acc. 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	Basic insulation none  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12  0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 12
protection class IP on the front acc. to IEC 60529 type of insulation category acc. 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 • 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 with core end processing  AWG number as coded connectable conductor cross section • solid • stranded  Installation/ mounting/ dimensions mounting position	Basic insulation none  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12  0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 12
protection class IP on the front acc. to IEC 60529 type of insulation category acc. 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 • 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 • finely stranded without 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	Basic insulation none  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12  0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 12  0.5 2.5 mm² 0.5 2.5 mm² 0.5 4 mm²
protection class IP on the front acc. to IEC 60529 type of insulation category acc. 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 • 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 height	Basic insulation none  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 20 12  0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm²
protection class IP on the front acc. to IEC 60529 type of insulation category acc. 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	Basic insulation none  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 20 12  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 0.5 2.5 mm² 0.5 2.5 mm² 0.5 2.5 mm² 0.5 4 mm²
protection class IP on the front acc. to IEC 60529 type of insulation category acc. 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	Basic insulation none  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 20 12  0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm²
protection class IP on the front acc. to IEC 60529 type of insulation category acc. 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	Basic insulation none  Yes  spring-loaded terminals (push-in)  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 20 12 20 12 20 12  0.5 4 mm² 0.5 2.5 mm² 0.5 4 mm² 0.5 2.5 mm² 0.5 2.5 mm² 0.5 2.5 mm² 0.5 4 mm²

— 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
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 · during storage

-25 ... +60 °C

-40 ... +85 °C

 during transport relative humidity during operation -40 ... +85 °C 10 ... 95 %

Certificates/ approvals

## **General Product Approval**

**EMC** 

**Declaration of** Conformity











**Miscellaneous** 

**Declaration of** Conformity

**Test Certificates** 

Marine / Shipping



Type Test Certificates/Test Report









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=3RP2560-2SW30

Cax online generator

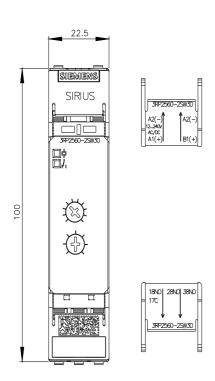
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RP2560-2SW30

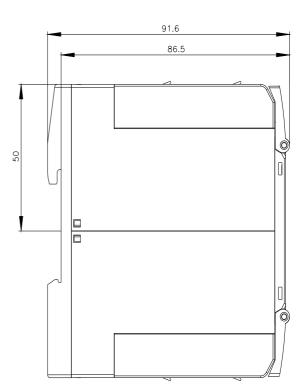
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

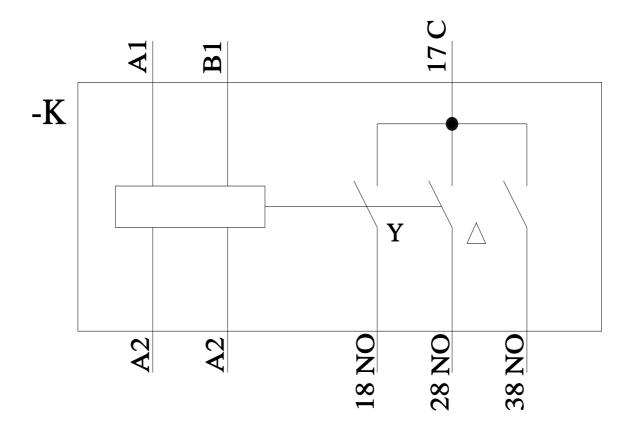
https://support.industry.siemens.com/cs/ww/en/ps/3RP2560-2SW30

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RP2560-2SW30&lang=en

**Characteristic: Derating** 







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