SIEMENS

Data sheet 3RP2560-1SW30



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 screw terminal 0.85 ...1.1 US

design of the product Star-delta (wye-delta) function with overtravel function (idling)	product brand name	SIRIUS	
September Sept	product designation	timing relay	
product component	design of the product	Star-delta (wye-delta) function with overtravel function (idling)	
e relay output • relay output • relay output • semi-conductor output product extension required remote control product extension optional remote control insulation voltage for overvoltage category III according to liEC 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 60068-2-7 ribration resistance acc. to IEC 60068-2-7 mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical adjustable time relative setting accuracy relating to full-scale value thermal current for excevery time 300 ms reference code acc. to IEC 81346-2 relative repeat accuracy control supply voltage 1 at AC • at 50 Hz • control supply voltage 1 at DC operating range factor control supply voltage rated value to initial value • initial value 0.8	product type designation	3RP25	
• relay output • semi-conductor output 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 IP20 shock resistance acc. to IEC 60068-2-7 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 1 20 s relative setting accuracy relating to full-scale value thermal current 5 A recovery time reference code acc. to IEC 81346-2 Relative repeat accuracy 1 // Control Circuit/ Control type of voltage of the control supply voltage e at 60 Hz e control supply voltage 1 at AC e at 50 Hz e control supply voltage 1 at DC operating range factor control supply voltage rated value at DC e initial value 9 control supply voltage 1 at DC e initial value 1 volume of voltage voltage voltage value e initial value 9 control supply voltage 1 at DC e initial value 1 very control supply voltage 1 at DC e initial value 9 control supply voltage 1 at DC e initial value 9 control supply voltage 1 at DC e initial value 9 control supply voltage 1 at DC e initial value 9 control supply voltage 1 at DC e initial value 9 control supply voltage 1 at DC e initial value 9 control supply voltage 1 at DC e initial value 9 control supply voltage 1 at DC e initial value 9 control supply voltage 1 at DC e initial value	General technical data		
semi-conductor output product extension required remote control product extension optional remote control 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 60068-2-27 ilig / 15 ms vibration resistance acc. to IEC 60068-2-6 insulation voltage for isolation test id 0 000 000 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 thermal current 5 A recovery time 300 ms reference code acc. to IEC 81346-2 k relative repeat accuracy 1 % Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC e at 50 Hz e at 60 Hz control supply voltage frequency 1 e control supply voltage 1 at DC operating range factor control supply voltage rated value at DC e initial value	product component		
product extension required remote control product extension optional remote control 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 Ilig / 15 ms vibration resistance acc. to IEC 60068-2-6 ID 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 % Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC e at 50 Hz e at 60 Hz control supply voltage frequency 1 control supply voltage frequency 1 control supply voltage frequency 1 control supply voltage 1 at DC operating range factor control supply voltage rated value at DC e initial value 0.8	 relay output 	Yes	
product extension optional remote control 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 protection class IP IP20 shock resistance acc. to IEC 60068-2-27 Ilig / 15 ms vibration resistance acc. to IEC 60068-2-26 Ilig / 15 ms vibration resistance acc. to IEC 60068-2-16 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 I 20 s relative setting accuracy relating to full-scale value thermal current recovery time reference code acc. to IEC 81346-2 K relative repeat accuracy I % Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC at 50 Hz at 50 Hz control supply voltage frequency 1 control supply voltage 1 at DC operating range factor control supply voltage rated value at DC initial value ose	semi-conductor output	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 wibration resistance acc. to IEC 60068-2-27 wibration 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 1 20 s relative setting accuracy relating to full-scale value thermal current for A recovery time reference code acc. to IEC 81346-2 k R relative repeat accuracy 1 % Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC at 50 Hz at 50 Hz control supply voltage frequency 1 control supply voltage frequency 1 control supply voltage 1 at DC operating range factor control supply voltage rated value at DC initial value 0.8	product extension required remote control	No	
test voltage for isolation test degree of pollution surge voltage resistance rated value 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) typical adjustable time relative setting accuracy relating to full-scale value thermal current recovery time 300 ms reference code acc. to IEC 81346-2 relative repeat accuracy typical accuracy thermal current reference code acc. to IEC 81346-2 relative repeat accuracy 1 % 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 1 at DC operating range factor control supply voltage rated value at DC • initial value • initial value 0.8	product extension optional remote control	No	
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 5 A recovery time reference code acc. to IEC 81346-2 K relative repeat accuracy 1 % 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 operating range factor control supply voltage rated value at DC • initial value • initial value 0.8		300 V	
surge voltage resistance rated value protection class IP shock resistance acc. to IEC 60068-2-7 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 relative repeat accuracy type of voltage of the control supply voltage at 50 Hz • at 50 Hz • control supply voltage frequency 1 • control supply voltage 1 at DC operating range factor control supply voltage rated value at DC • initial value 4 000 V IP20 11g / 15 ms 10 000 000 10 000 000 100 000	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 5 A recovery time 300 ms reference code acc. to IEC 81346-2 relative repeat accuracy 1 % 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 operating range factor control supply voltage rated value at DC • initial value 0.8	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 1 20 s 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 1 % Control circuit/ Control type of voltage of the control supply voltage cantrol supply voltage 1 at AC • at 50 Hz • at 60 Hz • control supply voltage 1 at DC operating range factor control supply voltage rated value at DC • initial value 1 10 000 000 10	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 1 20 s 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 % Control circuit/ Control type of voltage of the control supply voltage ot at 50 Hz at 60 Hz control supply voltage frequency 1 control supply voltage 1 at DC operating range factor control supply voltage rated value at DC initial value 1 0 000 000 1 0	protection class IP	IP20	
mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time 1 20 s 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 % 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 operating range factor control supply voltage rated value at DC • initial value 10 000 000 10 000	shock resistance acc. to IEC 60068-2-27	11g / 15 ms	
electrical endurance (switching cycles) at AC-15 at 230 V typical adjustable time 1 20 s relative setting accuracy relating to full-scale value 5 % thermal current 5 A recovery time 300 ms reference code acc. to IEC 81346-2 K relative repeat accuracy 1 % 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 operating range factor control supply voltage rated value at DC • initial value 0.8	vibration resistance acc. to IEC 60068-2-6	10 55 Hz / 0.35 mm	
adjustable time adjustable time 1 20 s relative setting accuracy relating to full-scale value 5 % thermal current 5 A recovery time 300 ms reference code acc. to IEC 81346-2 K relative repeat accuracy 1 % 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 operating range factor control supply voltage rated value at DC • initial value 0.8	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 1 % 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 operating range factor control supply voltage rated value at DC • initial value 0.8	· · · · · · · · · · · · · · · · · · ·	100 000	
thermal current recovery time 300 ms reference code acc. to IEC 81346-2 K relative repeat accuracy 1 % Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz • at 60 Hz 12 240 V control supply voltage frequency 1 control supply voltage 1 at DC • control supply voltage 1 at DC • control supply voltage 1 at DC • initial value 0.8	adjustable time	1 20 s	
recovery time reference code acc. to IEC 81346-2 K relative repeat accuracy 1 % 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 • control supply voltage 1 at DC • initial value 300 ms K K AC/DC 1 2 240 V 12 240 V	relative setting accuracy relating to full-scale value	5 %	
reference code acc. to IEC 81346-2 relative repeat accuracy 1 % 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 • control supply voltage 1 at DC • initial value K 1 % K 1 % Control supply voltage 1 at AC 1 2 240 V 2 240 V 2 240 V 2 240 V 0 60 Hz	thermal current	5 A	
relative repeat accuracy Control circuit/ Control type of voltage of the control supply voltage AC/DC control supply voltage 1 at AC at 50 Hz at 60 Hz control supply voltage frequency 1 control supply voltage frequency 1 control supply voltage 1 at DC control supply voltage 1 at DC initial value 1 % AC/DC 12 240 V 12 240 V 240 V 250 60 Hz 0.8	recovery time	300 ms	
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 • control supply voltage 1 at DC • initial value AC/DC 12 240 V 12 240 V 12 240 V 12 240 V 00 Hz	reference code acc. to IEC 81346-2	К	
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 operating range factor control supply voltage rated value at DC initial value AC/DC 12 240 V 12 240 V 12 240 V 00 Hz	relative repeat accuracy	1 %	
control supply voltage 1 at AC • at 50 Hz • at 60 Hz control supply voltage frequency 1 • control supply voltage 1 at DC • control supply voltage 1 at DC operating range factor control supply voltage rated value at DC • initial value 0.8	Control circuit/ Control		
 at 50 Hz at 60 Hz 2 240 V control supply voltage frequency 1 60 Hz control supply voltage 1 at DC 12 240 V 240 V 12 240 V initial value 0.8 	type of voltage of the control supply voltage	AC/DC	
 at 60 Hz control supply voltage frequency 1 control supply voltage 1 at DC operating range factor control supply voltage rated value at DC initial value 12 240 V 0.8 	control supply voltage 1 at AC		
control supply voltage frequency 1 o control supply voltage 1 at DC operating range factor control supply voltage rated value at DC o initial value 50 60 Hz 12 240 V 0.8	● at 50 Hz	12 240 V	
 control supply voltage 1 at DC operating range factor control supply voltage rated value at DC initial value 12 240 V 0.8 	● at 60 Hz	12 240 V	
operating range factor control supply voltage rated value at DC • initial value	control supply voltage frequency 1	50 60 Hz	
value at DC ● initial value	 control supply voltage 1 at DC 	12 240 V	
a full cools value	• initial value	0.8	
• Iuli-scale value	• 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	
ON-delay	No
 ON-delay/instantaneous contact 	No
passing make contact	No
 passing make contact/instantaneous contact 	No
OFF delay	No
switching function	
 flashing symmetrically with interval start/instantaneous 	No
 flashing symmetrically with interval start 	No
 flashing symmetrically with pulse start/instantaneous 	No
 flashing symmetrically with pulse start 	No
 flashing asymmetrically with interval start 	No
flashing asymmetrically with pulse start	No
switching function	
 star-delta circuit with delay time 	Yes
star-delta circuit	No
switching function with control signal	
 additive ON-delay 	No
 passing break contact 	No
 passing break contact/instantaneous 	No
OFF delay	No
OFF delay/instantaneous	No
pulse delayed	No
pulse delayed/instantaneous	No
• pulse-shaping	No
pulse-shaping/instantaneous	No
additive ON-delay/instantaneous	No
ON-delay/OFF-delay/instantaneous	No
passing make contact	No
passing make contact/instantaneous contact	No
switching function of interval relay with control signal	M.
 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
Short-circuit protection	
design of the fuse link for short-circuit protection of the auxiliary switch required	fuse gL/gG: 4 A
Auxiliary circuit	
material of switching contacts	AgSnO2
number of NC contacts delayed switching	0

number of NO contacts delayed switching	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
influence of the surrounding temperature	1% in the whole temperature range to the set runtime
power supply influence	1% in the whole voltage range to the set runtime
switching capacity current with inductive load	0.01 3 A
Inputs/ Outputs	
product function	
 at the relay outputs switchover delayed/without 	No
delay	
non-volatile	No
Electromagnetic compatibility	
EMC immunity acc. to IEC 61812-1	EN 61000-6-2
conducted interference	
due to burst acc. to IEC 61000-4-4	2 kV network connection / 1 kV control connection
 due to conductor-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	
	finger-safe
touch protection against electrical shock	iiigei-saic
touch protection against electrical shock type of insulation	Basic insulation
touch protection against electrical shock type of insulation category acc. to EN 954-1	
type of insulation	Basic insulation
type of insulation category acc. to EN 954-1	Basic insulation
type of insulation category acc. to EN 954-1 Connections/ Terminals product function removable terminal for auxiliary and control circuit	Basic insulation none
type of insulation category acc. to EN 954-1 Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit	Basic insulation none Yes
type of insulation category acc. to EN 954-1 Connections/ Terminals product function 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 screw-type terminals
type of insulation category acc. to EN 954-1 Connections/ Terminals product function 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 screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
type of insulation category acc. to EN 954-1 Connections/ Terminals product function 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 screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²)
type of insulation category acc. to EN 954-1 Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid	Pasic insulation none Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14)
type of insulation category acc. to EN 954-1 Connections/ Terminals product function 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 screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14)
type of insulation category acc. to EN 954-1 Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded • connectable conductor cross-section solid • connectable conductor cross-section finely stranded	Pasic insulation none Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14)
type of insulation category acc. to EN 954-1 Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded • connectable conductor cross-section solid • connectable conductor cross-section finely stranded with core end processing • AWG number as coded connectable conductor	Basic insulation none Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm²
type of insulation category acc. to EN 954-1 Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded • connectable conductor cross-section solid • connectable conductor cross-section finely stranded with core end processing • AWG number as coded connectable conductor cross section solid • AWG number as coded connectable conductor	Pasic insulation none Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm²
type of insulation category acc. to EN 954-1 Connections/ Terminals product function 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 screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12
type of insulation category acc. to EN 954-1 Connections/ Terminals product function 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 screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14
type of insulation category acc. to EN 954-1 Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded • connectable conductor cross-section solid • connectable conductor cross-section finely stranded with core end processing • AWG number as coded connectable conductor cross section solid • AWG number as coded connectable conductor cross section solid • AWG number as coded connectable conductor cross section stranded tightening torque design of the thread of the connection screw	Basic insulation none Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12
type of insulation category acc. to EN 954-1 Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded • connectable conductor cross-section solid • connectable conductor cross-section finely stranded with core end processing • AWG number as coded connectable conductor cross section solid • AWG number as coded connectable conductor cross section stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions	Basic insulation none Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N·m M3
type of insulation category acc. to EN 954-1 Connections/ Terminals product function 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 screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N⋅m M3 any
type of insulation category acc. to EN 954-1 Connections/ Terminals product function 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 screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N·m M3 any screw and snap-on mounting onto 35 mm standard mounting rail
type of insulation category acc. to EN 954-1 Connections/ Terminals product function 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 screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N·m M3 any screw and snap-on mounting onto 35 mm standard mounting rail 100 mm
type of insulation category acc. to EN 954-1 Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded • connectable conductor cross-section solid • connectable conductor cross-section finely stranded with core end processing • AWG number as coded connectable conductor cross section solid • AWG number as coded connectable conductor cross section stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions mounting position fastening method height width	Basic insulation none Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N·m M3 any screw and snap-on mounting onto 35 mm standard mounting rail 100 mm 22.5 mm
type of insulation category acc. to EN 954-1 Connections/ Terminals product function 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 screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N·m M3 any screw and snap-on mounting onto 35 mm standard mounting rail 100 mm

 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
 ambient temperature during storage 	-40 +85 °C
ambient temperature during transport	-40 +85 °C
relative humidity during operation	10 95 %
Certificates/ approvals	



General Product Approval









EMC



Declaration of

Conformity

Declaration of Conformity

Test Certificates

Marine / Shipping

Miscellaneous

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=3RP2560-1SW30

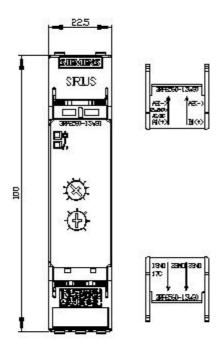
Cax online generator

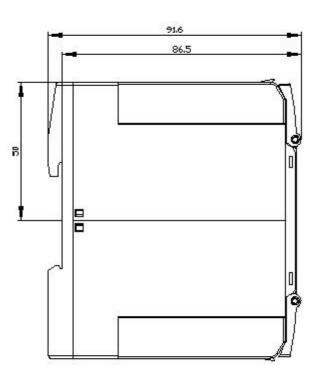
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RP2560-1SW30

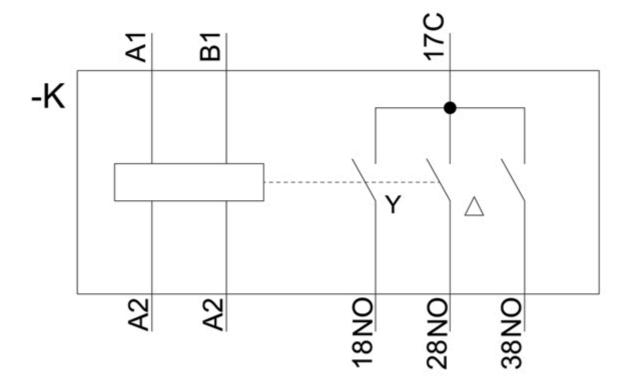
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RP2560-1SW30

Characteristic: Derating https://support.industry.siemens.com/cs/ww/en/ps/3RP2560-1SW30/manual







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