SIEMENS

Data sheet 3RP2512-1AW30



Timing relay, electronic slow-operating 1 change-over contact, 1 time range 1.5...30 s 12-240 V AC/DC at 50/60 Hz AC with LED, Screw terminal

Product component • relay output • semi-conductor output No product extension required remote control product extension optional remote control No power loss [W] maximum 2 W insulation voltage for overvoltage category III according to IEC 600684 with degree of pollution 3 rated value test voltage for isolation test 2.5 kV degree of pollution 3 asurge voltage resistance rated value 4 000 V shock resistance according to IEC 60068-2-27 11g / 15 ms vibration resistance according to IEC 60068-2-6 10 55 Hz / 0.35 mm mechanical service life (operating cycles) typical adjustable time 1 30 s relative setting accuracy relating to full-scale value 5 %; +/- thermal current 5 A recovery time 7 cook according to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature 1 %; in the whole voltage range to the set runtime power supply influence 5 Wich curbon voltage resistance according to IEC 8014-2014 Substance Prohibitance (Date) Weight 0 .135 kg	product brand name	SIRIUS	
Product type designation SRP25	product designation	timing relay	
Product type designation SRP25	design of the product		
Product component Pelay output			
• relay output • semi-conductor output Product extension required remote control Product extension optional remote control Power loss [W] maximum Substance according to IEC 60068-2-8 Fibration resistance according to IEC 60068-2-27 Fibration resistance according to IEC 60068-2-27 Fibration resistance according to IEC 600	General technical data		
• 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 pollution 3 rated value test voltage for isolation test degree of pollution 3 urge voltage resistance rated value 3 urge voltage resistance rated value 4 000 v 4 urge voltage resistance according to IEC 60068-2-7 11g / 15 ms vibration resistance according to IEC 60068-2-7 11g / 15 ms vibration resistance according to IEC 60068-2-8 10 55 Hz / 0.35 mm mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical adjustable time 1 30 s relative setting accuracy relating to full-scale value 5 %; +/- thermal current 5 A recovery time 250 ms reference code according to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature 1 % in the whole temperature range to the set runtime power supply influence 1 % in the whole temperature range to the set runtime Substance Prohibitance (Date) 8VHC substance name 4 lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 0,135 kg Control supply voltage of the control supply voltage 2 et 60 Hz 2 240 V 2 et 60 Hz 2 240 V 2 et 60 Hz 2 240 V 3 et 60 Hz 3 260 Hz	product component		
product extension required remote control product extension optional remote control power loss [W] maximum power supply influence power supply influence power loss [W] maximum power supply influence power supply voltage power loss [W] maximum power supply voltage [M] maximum power supply voltage of the control supply voltage power loss [W] maximum power supply voltage of the control supply voltage power loss [W] maximum power supply voltage of the control supply voltage power loss [W] maximum power supply voltage of the control supply voltage power loss [W] maximum power supply voltage frequency 1 power loss [W] for loss [W] power loss [W] for loss [W] 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 60664 with degree of pollution 3 rated value test voltage for isolation test degree of pollution 3 as a deviation with test voltage for isolation test degree of pollution 3 as urge voltage resistance rated value shock resistance according to IEC 60068-2-27 11g / 15 ms vibration resistance according to IEC 60068-2-6 10 55 Hz / 0.35 mm mechanical service life (operating cycles) typical 10 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical adjustable time 5 %; +/- thermal current 5 A recovery time 250 ms reference code according to IEC 81346-2 K relative repeat accuracy 1 %; +/- 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 Substance Prohibitance (Date) 09/12/2014 Weight 0.135 kg Control supply voltage 1 at AC • at 50 Hz • at 60 Hz 12 240 V • at 60 Hz 12 240 V control supply voltage frequency 1 50 60 Hz VI A00 V 300 V 400 V 40	semi-conductor output	No	
power loss [W] maximum 2 W insulation voltage for overvoltage category III according to IEC 80064 with degree of politurion 3 rated value 2.5 kV degree of politurion 3 material value 4000 V shock resistance according to IEC 60068-2-27 11g / 15 ms vibration resistance according to IEC 60068-2-6 10 55 Hz / 0.35 mm mechanical service life (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 5 A recovery time 5 A recovery time 250 ms reference code according to IEC 81346-2 K relative repeat accuracy in the service 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 15 VHC substance name	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 test voltage for isolation test degree of pollution 3 surge voltage resistance rated value 4 000 V shock resistance according to IEC 60068-2-27 11g / 15 ms vibration resistance according to IEC 60068-2-6 10 55 Hz / 0.35 mm mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical adjustable time 1 30 s relative setting accuracy relating to full-scale value 5 %; +/- thermal current 5 A recovery time 250 ms reference code according to IEC 81346-2 reference code according to IEC 81346-2 influence of the surrounding temperature 1 %; in the whole temperature range to the set runtime power supply influence Substance Prohibitance (Date) SVHC substance name Lead 7-439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 type of voltage of the control supply voltage control supply voltage 1 at AC • at 50 Hz • at 50 Hz • at 60 Hz control supply voltage frequency 1 50 60 Hz control supply voltage frequency 1 50 60 Hz	product extension optional remote control	No	
test voltage for isolation test degree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-7 vibration resistance according to IEC 60068-2-8 mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical adjustable time 130 s relative setting accuracy relating to full-scale value 5%; +/- thermal current 5 A recovery time 250 ms reference code according to IEC 81346-2 K relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6-di-tert-butyl-2,2-methylenedi-p-cresol - 119-47-1 Weight 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 50 60 Hz control supply voltage frequency 1 50 60 Hz control supply voltage frequency 1 50 60 Hz	power loss [W] maximum	2 W	
degree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 nechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical adjustable time relative setting accuracy relating to full-scale value thermal current 5 A recovery time 250 ms reference code according to IEC 81346-2 K relative repeat accuracy 1%; +/- influence of the surrounding temperature power supply influence Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight Outside of the control supply voltage 1 at AC • at 50 Hz • at 50 Hz • at 60 Hz control supply voltage frequency 1 50 60 Hz control supply voltage frequency 1 50 60 Hz control supply voltage frequency 1 50 60 Hz		300 V	
surge voltage resistance rated value shock resistance according to IEC 60068-2-27 11g / 15 ms vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical adjustable time 1 30 s relative setting accuracy relating to full-scale value thermal current 5 A recovery time 250 ms reference code according to IEC 81346-2 K relative repeat accuracy 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 Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight Control circuit/ Control type of voltage of the control supply voltage • at 50 Hz • at 50 Hz • at 50 Hz • at 50 Hz • at 60 Hz control supply voltage frequency 1 50 60 Hz 11g / 15 ms 10 55 Hz / 0.35 mm 10 55 Hz / 0.35 mm 10 55 Hz / 0.00 10 50 Hz / 0.00 10 55 Hz / 0.00 10 50 Hz / 0.00 10	test voltage for isolation test	2.5 kV	
shock resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical adjustable time 1 30 s relative setting accuracy relating to full-scale value thermal current 5 A recovery time 250 ms reference code according to IEC 81346-2 Krelative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) SYHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight Control circuit/ Control type of voltage of the control supply voltage	degree of pollution	3	
vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical adjustable time relative setting accuracy relating to full-scale value thermal current 5 A recovery time 250 ms reference code according to IEC 81346-2 K relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) SVHC substance name Weight Control circuit/ Control type of voltage of the control supply voltage e at 50 Hz e at 60 Hz control supply voltage frequency 1 50 60 Hz 10 55 Hz / 0.35 mm 10 000 000 100 0	surge voltage resistance rated value	4 000 V	
mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical adjustable time 1 30 s relative setting accuracy relating to full-scale value thermal current 5 A recovery time 250 ms reference code according to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature power supply influence 1% in the whole temperature range to the set runtime substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight Control circuit/ Control type of voltage of the control supply voltage at 50 Hz at 60 Hz 10 0000000000000000000000000000000000	shock resistance according to IEC 60068-2-27	11g / 15 ms	
electrical endurance (operating cycles) at AC-15 at 230 V typical adjustable time 1 30 s relative setting accuracy relating to full-scale value 5 %; +/- thermal current 5 A recovery time reference code according to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature power supply influence Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight 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 1 100 000 1 30 s 1 40 V 1 240 V 2 240 V 2 240 V 2 240 V 2 240 V	vibration resistance according to IEC 60068-2-6	10 55 Hz / 0.35 mm	
relative setting accuracy relating to full-scale value thermal current termal current 5 A recovery time 250 ms reference code according to IEC 81346-2 K relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight O1.35 kg Control circuit/ Control type of voltage of the control supply voltage at 60 Hz 12 240 V control supply voltage frequency 1 50 60 Hz 1 30 s 1 30 s 1	mechanical service life (operating cycles) typical	10 000 000	
relative setting accuracy relating to full-scale value thermal current for A recovery time 250 ms reference code according to IEC 81346-2 K relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight Control circuit/ Control type of voltage of the control supply voltage at AC/DC control supply voltage 1 at AC at 50 Hz at 60 Hz control supply voltage frequency 1 5 %; +/- 1 %;		100 000	
thermal current recovery time 250 ms reference code according to IEC 81346-2 K relative repeat accuracy 1 %; +/- influence of the surrounding temperature power supply influence Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight Control circuit/ Control type of voltage of the control supply voltage at 50 Hz at 60 Hz at 60 Hz Control supply voltage frequency 1 5 A K Ac/DC 250 ms Ac/DC Ac/DC 250 ms Ac/DC 260 mtol supply voltage 1 at AC Ac/DC 261 ms Ac/DC 261 ms Ac/DC 262 ms Ac/DC 263 ms Ac/DC 264 ms Ac/DC 265 ms Ac/DC 266 ms Ac/DC 267 ms Ac/DC 268 ms Ac/DC 260	adjustable time	1 30 s	
reference code according to IEC 81346-2 relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) SYHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight 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 1 250 ms K K Control time whole temperature range to the set runtime 1% in the whole voltage range to the set runtime 09/12/2014 1% in the whole temperature range to the set runtime 1% in the whole te	relative setting accuracy relating to full-scale value	5 %; +/-	
reference code according 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 1% in the whole voltage range to the set runtime Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight 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 50 60 Hz	thermal current	5 A	
relative repeat accuracy influence of the surrounding temperature power supply influence Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight Control circuit/ Control type of voltage of the control supply voltage o at 50 Hz o at 60 Hz control supply voltage frequency 1 1 %; +/- 1 %; in the whole temperature range to the set runtime 1 %; in the whole temperature range to the set runtime 1 %; +/- 1 %; in the whole temperature range to the set runtime 1 %; in the whole temperature range to the set runtime 1 %; +/- 1 %; in the whole temperature range to the set runtime 1 %; +/- 1 %; in the whole temperature range to the set runtime 1 %; +/- 1 %; +/- 1 %; +/- 1 %; +/- 1 %; in the whole temperature range to the set runtime 1 %; +/- 1 %; +/- 1 %; +/- 1 %; +/- 1 %; +/- 1 %; +/- 1 % in the whole temperature range to the set runtime 1 %; +/- 1 %; +/- 1 %; +/- 1 %; +/- 1 % in the whole temperature range to the set runtime 1 %; +/- 1 %; +/- 1 %; +/- 1 %; +/- 1 % in the whole temperature range to the set runtime 1 %; +/- 1 % in the whole voltage range to the set runtime 1 %; +/- 1 % in the whole temperature range to the set runtime 1 % in the whole temperature range to the set runtime 1 %; +/- 1 % in the whole temperature range to the set runtime 1 % in the whole voltage range to the set runtime 1 % in the whole voltage range to the set runtime 1 % in the whole voltage range to the set runtime 1 % in the whole voltage range to the set runtime 1 % in the whole voltage range to the set runtime 1 % in the whole voltage range to the set runtime 1 % in the whole voltage range to the set runtime 1 % in the whole voltage range to the set runtime 2 % in the whole voltage range to the set runtime 2 % in the whole voltage range to the set runtime 2 % in the whole voltage range to the set runtime 2 % in the whole voltage range to the set runtime 2 % in the who	recovery time	250 ms	
influence of the surrounding temperature power supply influence 1% in the whole temperature range to the set runtime 1% in the whole voltage range to the set runtime 209/12/2014 SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight 0.135 kg 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 12 240 V control supply voltage frequency 1 50 60 Hz	reference code according to IEC 81346-2	K	
power supply influence Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight O.135 kg 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 10 in the whole voltage range to the set runtime 09/12/2014 Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 0.135 kg Control circuit/ Control 12 240 V • at 60 Hz	relative repeat accuracy	1 %; +/-	
Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight 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 09/12/2014 Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 0.135 kg AC/DC **Control Supply voltage 1 at AC • at 50 Hz • at 60 Hz 50 60 Hz	influence of the surrounding temperature	1% in the whole temperature range to the set runtime	
SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight 0.135 kg 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 Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 0.135 kg AC/DC **Control supply voltage 1 at AC **ONTO S	power supply influence	1% in the whole voltage range to the set runtime	
Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Weight 0.135 kg 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 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 0.135 kg AC/DC **Control supply voltage 1 at AC • at 50 Hz 50 240 V control supply voltage frequency 1	Substance Prohibitance (Date)	09/12/2014	
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 frequency 1 control supply voltage frequency 1	SVHC substance name	Lead monoxide (lead oxide) - 1317-36-8	
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 frequency 1 AC/DC 12 240 V 50 60 Hz	Weight	0.135 kg	
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 circuit/ Control		
● at 50 Hz ■ at 60 Hz 12 240 V 12 240 V control supply voltage frequency 1 50 60 Hz	type of voltage of the control supply voltage	AC/DC	
● at 60 Hz 12 240 V control supply voltage frequency 1 50 60 Hz	control supply voltage 1 at AC		
control supply voltage frequency 1 50 60 Hz	● at 50 Hz	12 240 V	
	• at 60 Hz	12 240 V	
control supply voltage 1 at DC 12 240 V	control supply voltage frequency 1	50 60 Hz	
	control supply voltage 1 at DC	12 240 V	

operating range factor control supply voltage rated 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	0.4 A
• at 240 V	5 A
duration of inrush current peak	
• at 24 V	0.3 ms
● at 240 V	0.5 ms
Switching Function	
switching function	
ON-delay	Yes
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 milerval start/instantaneous	No
flashing symmetrically with pulse start	No
flashing symmetrically with interval start	No
flashing asymmetrically with pulse start	No
switching function	INO
star-delta circuit with delay time	No
star-delta circuit	No
switching function with control signal	110
additive ON-delay	No
passing break contact	No
passing break contact/instantaneous	No
OFF delay	No
OFF delay/instantaneous	No
pulse delayed	No
pulse delayedpulse 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
· · · · ·	No
passing make contact/instantaneous contact 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 Short-circuit protection	No
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 Comacis	AUSTICZ

 delayed switching 	0	
instantaneous contact	0	
number of NO contacts		
delayed switching	0	
instantaneous contact	0	
number of CO contacts		
delayed switching	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	1.4	
• 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		
EMC emitted interference according to IEC 61812-1	ambience A (industrial sector)	
EMC immunity according to IEC 61812-1	corresponds to degree of severity 3	
conducted interference		
 due to burst according to IEC 61000-4-4 	2 kV network connection / 1 kV control connection	
 due to conductor-earth surge according to IEC 61000-4-5 	2 kV	
 due to conductor-conductor surge according to IEC 	1 kV	
61000-4-5		
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	
Electrical Safety	UDAA	
protection class IP on the front according to IEC 60529	IP20	
type of insulation	Basic insulation	
Connections/ Terminals	Ven	
product component removable terminal for auxiliary and control circuit	Yes	
type of electrical connection for auxiliary and control circuit	screw-type terminals	
type of connectable conductor cross-sections		
• solid	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)	
 finely stranded with core end processing 	1x (0.5 4 mm²), 2x (0.5 1.5 mm²)	
 for AWG cables solid 	1x (20 12), 2x (20 14)	
for AWG cables stranded	1x (20 12), 2x (20 14)	
connectable conductor cross-section		
• solid	0.5 4 mm²	
finely stranded with core end processing	0.5 4 mm²	
AWG number as coded connectable conductor cross section		
• solid	20 12	
stranded	20 14	
tightening torque	0.6 0.8 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	
hainht		
height	100 mm	

depth	90 mm	
required spacing		
 with side-by-side mounting 		
— forwards	0 mm	
— backwards	0 mm	
— upwards	0 mm	
— downwards	0 mm	
— at the side	0 mm	
 for grounded parts 		
— forwards	0 mm	
— backwards	0 mm	
— upwards	0 mm	
— at the side	0 mm	
— downwards	0 mm	
for live parts		
— forwards	0 mm	
— backwards	0 mm	
— upwards	0 mm	
— downwards	0 mm	
— at the side	0 mm	
Ambient conditions		
installation altitude at height above sea level maximum	2 000 m	
ambient temperature		
 during operation 	-25 +60 °C	
during storage	-40 +85 °C	
during transport	-40 +85 °C	
relative humidity during operation	10 95 %	
Approvals Certificates		
General Product Approval		EMV













EMV Test Certificates Marine / Shipping

<u>KC</u>

Type Test Certificates/Test Report









Marine / Shipping other Environment





Confirmation

Environmental Confirmations

Further information

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=3RP2512-1AW30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RP2512-1AW30

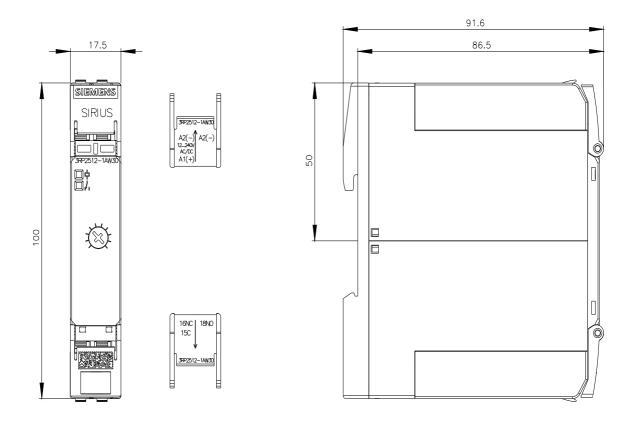
 ${\bf Service \& Support~(Manuals,~Certificates,~Characteristics,~FAQs,...)}$

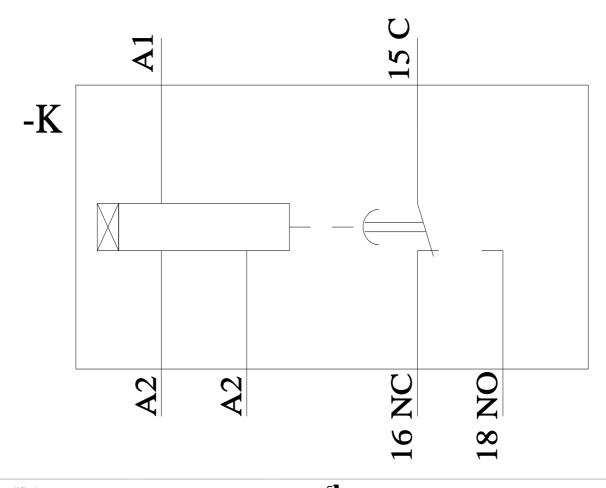
https://support.industry.siemens.com/cs/ww/en/ps/3RP2512-1AW30

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RP2512-1AW30&lang=en

Characteristic: Derating





last modified: 4/1/2025 🖸

