SIEMENS

Data sheet 3RP2505-1AB30-0AC1



Timing relay, multifunction 1 changeover contact, 2 functions (B, K) 7 time ranges (0.05 s...100 h) 24 V AC/DC at 50/60 Hz AC With LED, screw terminal

product brand name	SIRIUS
product designation	timing relay
design of the product	2 functions (B, K)
product type designation	3RP25
General technical data	
product feature protective coating on printed-circuit board	No
product component	
● semi-conductor output	No
product extension required remote control	No
product extension optional remote control	No
adjustable time	0.05 s ... 100 h
Substance Prohibitance (day/month/year)	09/12/2014
Net Weight	0.132 kg
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
● at 50 Hz rated value	0 V
● at 60 Hz rated value	0 V
control supply voltage 1 at AC	
● at 50 Hz rated value	24 V
● at 60 Hz rated value	24 V
control supply voltage at DC rated value	0 V
control supply voltage 1 at DC rated value	24 V
Switching Function	
switching function	
● ON-delay	No
● passing make contact	Yes
● OFF delay	No
switching function	
● flashing symmetrically with interval start	No
● flashing symmetrically with pulse start	No
● flashing asymmetrically with interval start	No
● flashing asymmetrically with pulse start	No
switching function	
● star-delta circuit	No
switching function with control signal	
● passing break contact	No
● pulse-shaping	No
Auxiliary circuit	

Subject to change without notice
© Copyright Siemens

number of NC contacts	
● 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
Inputs/ Outputs	
product function	
● at the relay outputs switchover delayed/without delay	No
ampacity of the output relay at DC-13	
● at 24 V	0 A
● at 125 V	0 A
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
Electrical Safety	
protection class IP on the front according to IEC 60529	IP20
Connections/ Terminals	
product component removable terminal for auxiliary and control circuit	Yes
type of electrical connection	screw terminal
● for auxiliary and control circuit	screw-type terminals
Installation/ mounting/ dimensions	
fastening method	screw and snap-on mounting onto 35 mm DIN rail
height	100 mm
width	17.5 mm
depth	90 mm

Approvals Certificates

Environment	General Product Approval				
Environmental Confirmations	CCC	cULus	EAC	CE EG-Konf.	UKCA

EMV		Test Certificates	Maritime application		
	RCM	Type Test Certificates/Test Report	BUREAU VERITAS	DNV	Lloyd's Register LRS

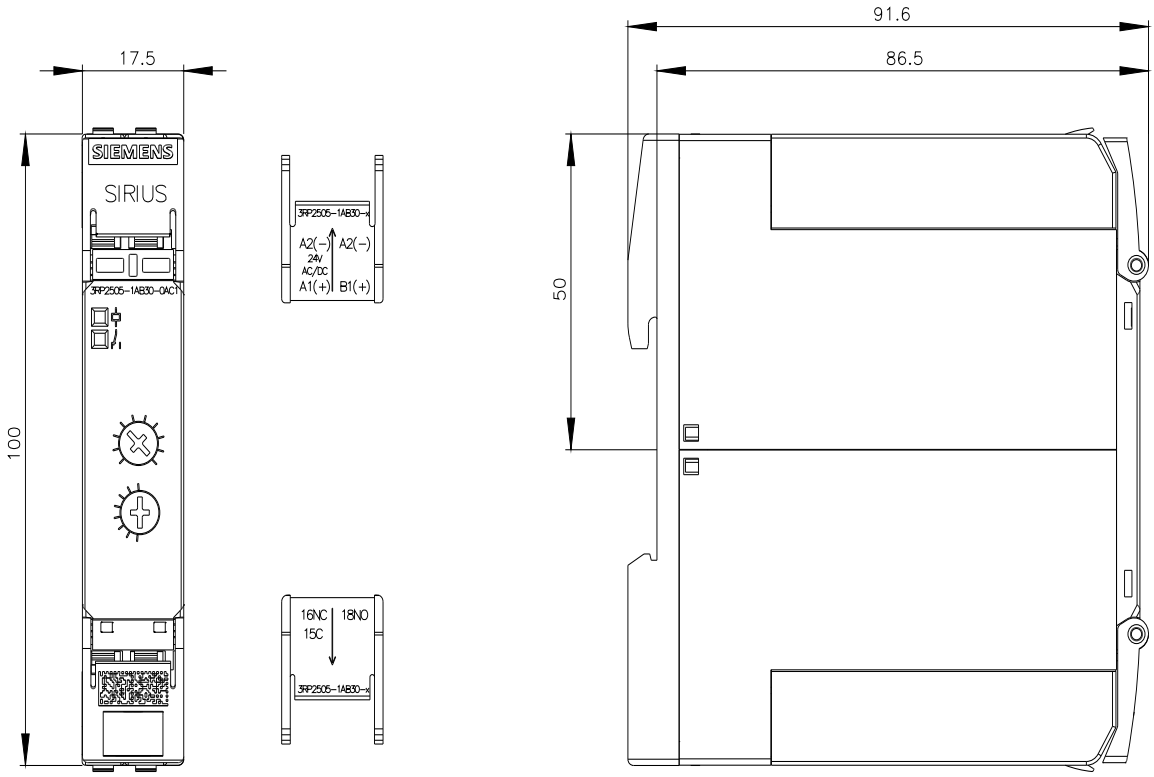
Maritime application			other	
PRS	RINA	RMRS	Confirmation	产品合格 QC PASS

Further information

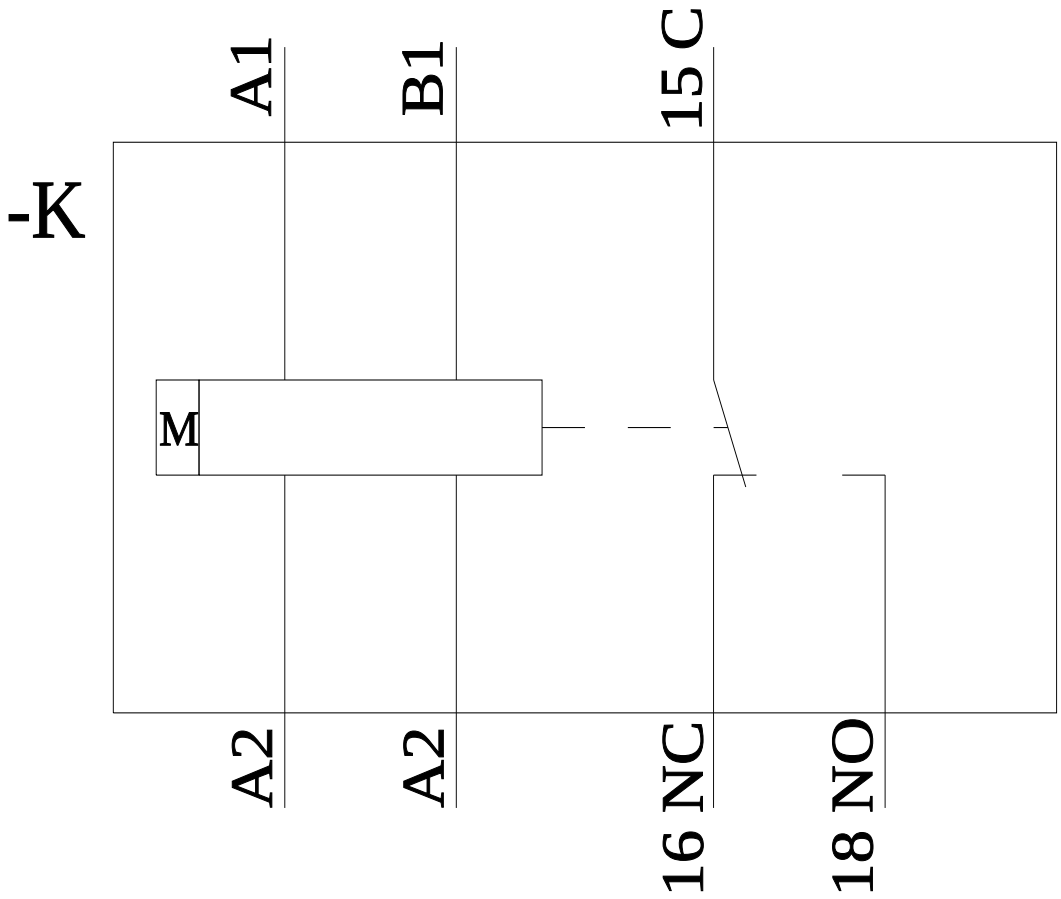
Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/ic10
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RP2505-1AB30-0AC1

Subject to change without notice
© Copyright Siemens

Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RP2505-1AB30-0AC1
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RP2505-1AB30-0AC1
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RP2505-1AB30-0AC1&lang=en



Subject to change without notice
© Copyright Siemens



last modified: 8/1/2026

Subject to change without notice
© Copyright Siemens