

C565-S

with positively guided contacts

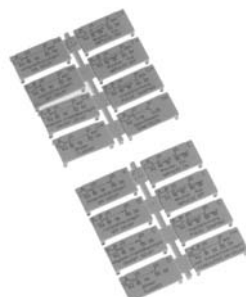
Electronic
Safety relays



1SAR330030R0000

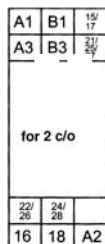


1SAR390000R2000



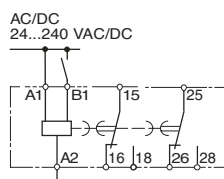
1SAR390000R4000

Terminal positioning C 565-S



Same voltage must be applied to Terminals A, B.

Circuit diagram C 565-S



Multifunction time relay – 8 functions^①, 15 time ranges, 2 c/o positively guided & gold plated

Time range with rotary switch can be set to	Supply voltage		Weight (oz.)	Piece per unit	Catalog number	List price
	AC 50/60Hz	DC				
0.05s - 100h ^①	24 - 240V ^②	24 - 240V ^③	5.28	1	1SAR330030R0000	\$ 129.00

Functions can be set by a rotary switch. Separate markers allow a clearly legible and distinctive setting of the timing functions. The markers are available as an accessory.

Accessories

Item description	Ident letter	Piece per unit	List price
C560.10, cover sealable For protecting against unauthorized readjustment	—	5	1SAR390000R1000 \$ 30.00
C560.20, plug-in tab for screw mounting Mounting on panel	—	5 with 2 pieces each	1SAR390000R2000 22.00
C560.40, Set of labels for multifunction relay C565, full set with 16 functions ON-delay OFF-delay, with auxiliary voltage ON and OFF-delay, with auxiliary voltage Flascher, starting with OFF Impulse-ON Impulse-OFF, with auxiliary voltage Pulseformer with auxiliary voltage	A B C D E F G	5 sets	1SAR390000R4000 42.00

- ① Switch position y no timing. To be used for testing purposes (ON/OFF function) within the installation. When voltage is applied the relay remains energized or remains de-energized permanently.
- ② Operating range 0,7 to 1,25 x U_s.
- ③ Operating range 0,85 to 1,1 x U_s.
- ④ The c/o contacts are operated simultaneously, so that 8 functions can be selected (no Ym, no instantaneous contact)
- ⑤ Positively guided: N/C and N/O contacts are never closed both, contact distance of 22.5mm is guaranteed, minimum switching load 12V, 3mA.

Technical data

Time relay		C 565-S
Mechanical service life	operations	30 x 10 ⁶
Rated insulated voltage (Pollution degree 3) Overvoltage categorie III acc. to DIN VDE 0110	AC V	300
Permissible ambient temperature	during operation storage	°C °C
		- 25 to + 60 - 40 to + 80
Operating range of excitation ^①		0.85 to 1.1 x U _s with AC; 0.8 to 1.25 x U _s with DC 0.95 to 1.05 times rated frequency
Rated power at AC 230V, 50 Hz	W VA	2 6
Rated operating currents I _e	AC-15 at AC 230V, 50 Hz AC-140; DC-13 DC-13 at DC 24V DC-13 at DC 48V DC-13 at DC 60V DC-13 at DC 110V DC-13 at DC 230V	A — A A A A A
Output relay		3 ^② — 1 0.45 0.35 0.2 0.1
Fusing DIAZED ^③ [Utilization category gL/gG]	A	4
Switching frequency when loaded with I _e , AC 230V when loaded with contactors B6, B7, AC 230 V	1/h 1/h	2500 5000
Recovery time	ms	150 ^④
Minimum ON period	ms	35
Setting tolerance referred to full scale value	typically ± 5%	
Repeat accuracy		≤ ± 1%
Enclosure acc. to DIN EN 60 529		IP 20 terminals IP 40 covers
Wire size	single-core stranded with wire end ferrule single-core or stranded	mm/in. mm ² AWG
		1 x (0.5 – 4) 2 x (0.5 – 2.5) 1 x (0.5 – 2.5) 2 x (0.5 – 1.5) 2 x (20 – 14)
Terminal screws	for normal screw-driver size 3 and Pozidriv 2	M 3.5
Permissible normal position		any
Resistance to shock semi-sinusoidal acc. to IEC 60068-2-27	g/ms	15/11
Vibro-stability acc. to IEC 60068-2-6	Hz/mm	10-55 / 0,35
EMV-tests by basic specification		EN 50081-1 EN 50082-2

- ① Unless otherwise specified
- ② For C565-S; open I_e = 1A
- ③ Without any welding as per IEC 60947-5-1.
- ④ Wide range voltage power pack; voltage dependent 10 to 250 ms.