

# C565-S

## with positively guided contacts

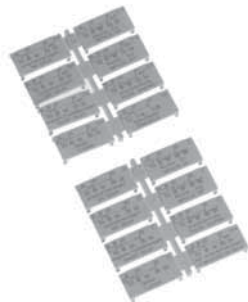
Electronic  
Safety relays



1SAR330030R0000

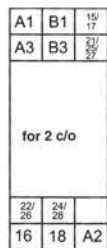


1SAR390000R2000



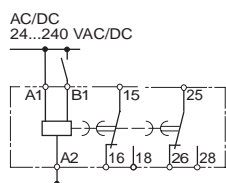
1SAR390000R4000

### Terminal positioning C 565-S



Same voltage must be applied to Terminals A, B.

### Circuit diagram C 565-S



### Multifunction time relay – 8 functions<sup>①</sup>, 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 <sup>①</sup>	24 - 240V <sup>②</sup>	24 - 240V <sup>③</sup>	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	Catalog number	List price
<b>C560.10, cover sealable</b> For protecting against unauthorized readjustment	—	5	1SAR390000R1000	\$ 30.00
<b>C560.20, plug-in tab for screw mounting</b> Mounting on panel	—	5 with 2 pieces each	1SAR390000R2000	22.00
<b>C560.40, Set of labels for multifunction relay</b> <b>C565, full set with 16 functions</b> 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<sub>s</sub>.

③ Operating range 0,85 to 1,1 x U<sub>s</sub>.

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 <sup>6</sup>
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 <sup>①</sup>		0.85 to 1.1 x U <sub>s</sub> with AC; 0.8 to 1.25 x U <sub>s</sub> 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 <sub>e</sub>	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 <sup>②</sup> — 1 0.45 0.35 0.2 0.1
Fusing DIAZED <sup>③</sup> [Utilization category gL/gG]	A	4
Switching frequency when loaded with I <sub>e</sub> , AC 230V when loaded with contactors B6, B7, AC 230 V	1/h 1/h	2500 5000
Recovery time	ms	150 <sup>④</sup>
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 <sup>-</sup> 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 Pozidrive 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 Without any welding as per IEC 60947-5-1.

③ For C565-S; open I<sub>e</sub>=1A

④ Wide range voltage power pack; voltage dependent 10 to 250 ms.