

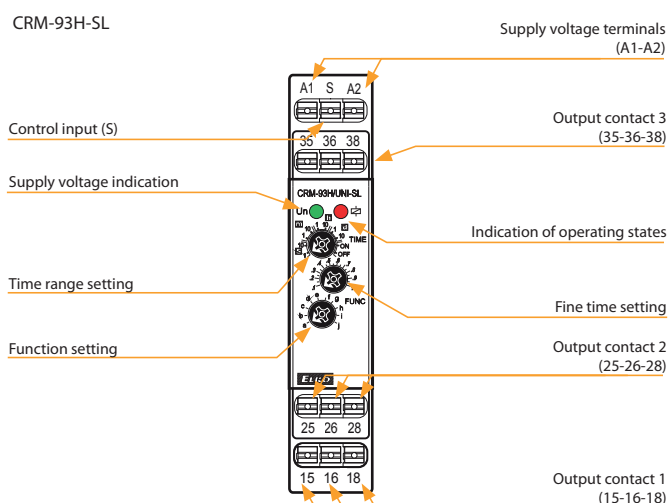


EAN code
CRM-91H/UNI-SL: 8595188184816
CRM-93H/UNI-SL: 8595188184823

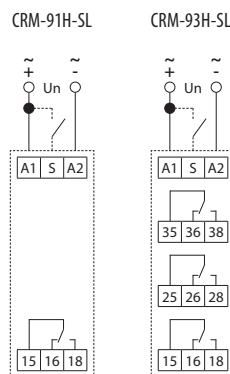
Technical parameters	CRM-91H-SL	CRM-93H-SL
Power supply		
Supply terminals:	A1-A2	
Supply voltage:	AC/DC 12 – 240 V (AC 50-60 Hz)	
Consumption (max.):	2 VA/1.5 W	2.5 VA/1.5 W
Supply voltage tolerance:	-15 %; +10 %	
Time circuit		
Number of functions:	10	
Time ranges:	0.1 s – 10 days	
Time setting:	rotary switch and potentiometer	
Time deviation:	5 % – mechanical setting	
Repeat accuracy:	0.2 % – set value stability	
Temperature coefficient:	0.01 %/°C, at = 20 °C (0.01 %/°F, at = 68 °F)	
Output		
Output contact 1:	1x changeover/SPDT (AgNi)	
Current rating:	16 A/AC1	
Breaking capacity:	4000 VA/AC1, 384 W/DC1	
Electrical life (AC1):	100.000 ops.	
Output contact 2 (3):	✗	2x chang./DPDT (AgNi)
Current rating:	✗	8 A/AC1
Breaking capacity:	✗	2000 VA/AC1, 192 W/DC
Electrical life (AC1):	✗	50.000 ops.
Switching voltage:	250 V AC/24 V DC	
Power dissipation (max.):	1.2 W	2.4 W
Mechanical life:	10.000.000 ops.	
Control		
Control terminals:	A1-S	
Load between S-A2:	Yes	
Impulse length:	min. 25 ms / max. unlimited	
Reset time:	max. 150 ms	
Other information		
Operating temperature:	-20 °C .. +55 °C (-4 °F .. 131 °F)	
Storage temperature:	-30 °C .. +70 °C (-22 °F .. 158 °F)	
Dielectric strength:		
supply – output 1	4 kV AC	
supply – output 2 (3)	x	1 kV AC
output 1 – output 2	x	1 kV AC
output 2 – output 3	x	1 kV AC
Operating position:	any	
Mounting:	DIN rail EN 60715	
Protection degree:	IP40 front panel / IP20 terminals	
Overvoltage category:	III.	
Pollution degree:	2	
Connected wire cross-section (mm ²):	solid wire max. 1 × 2.5, 2 × 1.5/ with sleeve max. 1 × 2.5 (AWG 12)	
Dimensions:	90 × 17.6 × 64 mm (3.5" × 0.7" × 2.5")	
Weight:	58 g (1.86 oz)	
Standards:	EN 61812-1	

- Multi-function time relay for universal use in automation, control and regulation or in house installations
- Universal supply voltage AC/DC 12 – 240V
- Easy connection with screw-less terminals
- Comfortable and well-arranged function and time-range setting by rotary switches.
- Time scale 0.1 s - 10 days divided into 10 ranges:
(0.1 s - 1 s / 1 s - 10 s / 0.1 min - 1 min / 1 min - 10 min / 0.1 hrs - 1 h / 1 h - 10 hrs / 0.1 day - 1 day / 1 day - 10 days / only ON / only OFF)
- Output contact:
CRM-91H-SL: 1x changeover / SPDT 16A
CRM-93H-SL: 1x changeover / SPDT 16A, 2x changeover / DPDT 8A
- Multifunction red LED flashes or shines depending on the operating states

Description



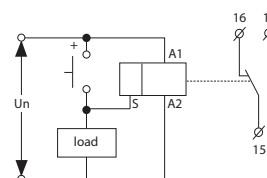
Connection



CRM-93H-SL:
The potential difference between the supply terminals (A1-A2), output contact 2 (25-26-28) and output contact 3 (35-36-38) must be a maximum of 250V AC rms/DC.

Possibility to connect load onto controlling input

It is possible to connect the load (e.g.: contactor) between terminals S-A2, without any interruption of correct relay function.



Indication of operating states

Signaling examples:

Function **a**



Function **e**

