



EAN code
CRM-91HE /UNI + potentiometr: 8595188142052
CRM-2HE /UNI + potiometr: 8595188142069
Potentiometr for CRM-91HE, CRM-2HE : 8595188125215

Technical parameters	CRM-91HE	CRM-2HE
Number of functions:	10	2
Supply terminals:	A1 - A2	
Voltage range:	AC/DC 12 - 240 V (AC 50 - 60 Hz)	
Burden (max.):	AC 0.7 - 3 VA / DC 0.5 - 1.7 W	
Max. dissipated power:	4 W (Un + terminals)	
Supply voltage tolerance:	-15 %; +10 %	
Supply indication:	green LED	
Time ranges:	0.1 s - 10 days	0.1 s - 100 days
Time setting:	rotary switch, external 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		
Number of contacts:	1x changeover / SPDT (AgNi / Silver Alloy)	
Current rating:	16 A / AC1	
Breaking capacity:	4000 VA / AC1, 384 W / DC	
Inrush current:	30 A / <3 s	
Switching voltage:	250 V AC / 24 V DC	
Output indication:	multifunction red LED	
Mechanical life:	3x10 ⁷	
Electrical life (AC1):	0.7x10 ⁵	

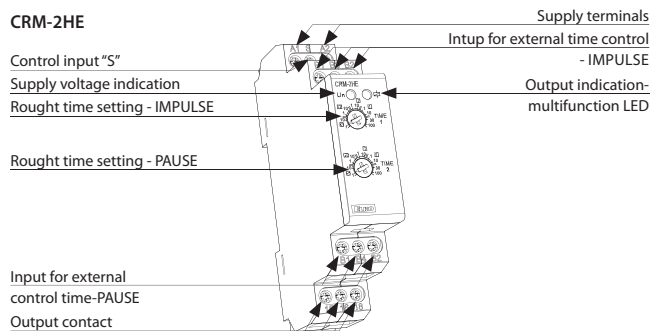
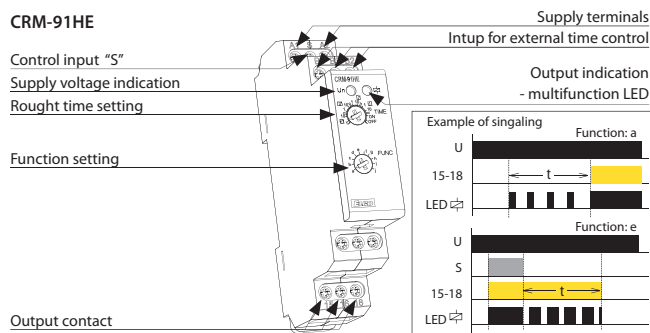
Controlling		
Control. voltage:	AC/DC 12 - 240 V (AC 50 - 60 Hz)	
Consumption of input:	AC 0.025-0.2 VA / DC 0.1-0.7 W	
Load between S-A2:	Yes	
Glow-tubes:	No	
Control. terminals:	A1-S	
Impulse length:	min. 25 ms / max. unlimited	x
Reset time:	max. 150 ms	

Other information		
Operating temperature:	-20 °C to +55 °C (-4 °F to 131 °F)	
Storage temperature:	-30 °C to +70 °C (-22 °F to 158 °F)	
Electrical strength:	4 kV (supply - output)	
Operating position:	any	
Mounting:	DIN rail EN 60715	
Protection degree:	IP40 from front panel / IP20 terminals	
Overvoltage category:	III.	
Pollution degree:	2	
Max. cable size (mm ²):	solid wire max. 1x 2.5 or 2x 1.5 / with sleeve max. 1x 2.5 (AWG 12)	
Dimensions:	90 x 17.6 x 64 mm (3.5" x 0.7" x 2.5")	
Weight:	75 g (2.6 oz.)	78 g (2.8 oz.)
Standards:	EN 61812-1, EN 61010-1	

Potentiometer		
Potentiometer:	47 kΩ, linear	
Protection degree:	IP 65 from front side / IP20 from back side	
Max. cable size (mm ²):	1.5 with sleeve / without sleeve max. 2.5 (AWG 12)	
Weight:	22 g (0.8 oz.)	
Dimensions:	see page Accessories	

- Control by external control unit - potentiometer (can be placed/ mounted for example on switch board doors or in panel).
- CRM-91HE:** multifunction time relays
 - 10 functions :
 - 5 time functions controlled by supply voltage
 - 4 time functions controlled by control input
 - 1 function of latching relay
 - 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).
- CRM-2HE:** asymmetric cycler
 - 2 time functions:
 - cycler beginning with pulse
 - cycler beginning with gap
 - function selected via external wired link on control input S-A1.
- Universal supply voltage AC/DC 12 - 240 V.
- Output contact: 1x changeover 16 A/SPDT.
- 1-MODULE, DIN rail mounting.
- Possible to connect external potentiometer - max. distance 10 m (32.8 ft.) from relay

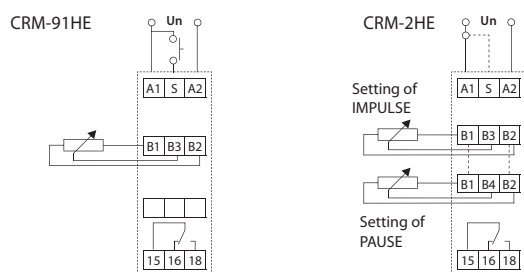
Description



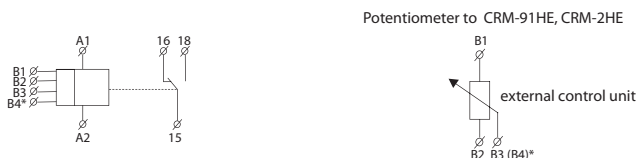
Function

Functions of CRM-91HE are identical with CRM-91H.
Functions of CRM-2HE are identical with CRM-2H.

Connection



Symbol



*B4 only for CRM-2HE