

> Plug-In Timer 11 pins

- > Multifunction or monofunction
- Compact body for space saving
 Wide time range (from 0.5 seconds to 10 days delay)
- > Universal power supply (12-240 V≂)
- > 1 or 2 relay outputs (SPDT / Changeover)
- > Protective cover
- > LED status indicator
- > 3-wire PNP sensor compatible
- > 11-pins connections



PU2R10MV1

Multifunctions U -

Monofunction Ad -Instantaneous











PL2R10MV1 Monofunction L, Li

Product selection					
Function	Output	Supply Voltage	Part Number		
Multifunction U: (A, At, B, C, H, Ht, D, Di, Ac, Bw)	2 relays	12 to 240 V≂	PU2R10MV1		
Ad - Instantaneous					
A, At	2 relays	12 to 240 V≂	PA2R10MV1		
С	2 relays	12 to 240 V≂	PC2R10MV1		
L, Li	2 relays	12 to 240 V≂	PL2R10MV1		

PART NUMBERING SYSTEM



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Description:

Syr-line, the new specialized range at Crouzet, aimed to satisfy the most unique requirements of your applications by innovating in design, engineering and development.

The Plug in Analog Timers, a new family of 11 timers with multifuction or monofunction, universal power supply, wide time range, with all the classic functions.

For more information about Crouzet's Syr-line range, please visit www.crouzet.com.



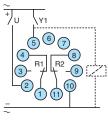
	PU2R10MV1	PA2R10MV1	PC2R10MV1	PL2R10MV1		
Power Supply						
Rated supply voltage Un	12 to 240 V≂					
Voltage supply tolerance	-15 %, +10 %					
AC supply voltage frequency	50 / 60 Hz ± 5%					
Galvanic isolation of supply / inputs	No					
Power consumption @ Un	Approx. 3 VA (V~) 1.5	W (V)				
Immunity to power micro cuts	10 ms	· · /				
Timing Control						
Specified time ranges (7) (IEC 1812-1)	0.510 s, 0.051 min,	0.510 min, 0.05	51 h, 0.510 h, 0.051 d	ay, 0.510 days		
Minimum control pulse duration (IEC 1812-1)	40 ms 100 ms with load					
Recovery time (after by de-energisation) (IEC 1812-1)	120 ms					
Repeatability (IEC 1812-1)	≤±0.5 %					
Setting Accuracy (IEC 1812-1)	≤±10 %					
Temperature drift	≤±0.05 % / °C					
Voltage drift	≤±0.2 % / V					
Relay output						
Contact arrangement	2 CO (SPDT) (ChangeOver -Single Pole Double Throw-) R1: Follow timing function	2 CO (SPDT) (Cha	ngeOver -Single Pole Double	• Throw-)		
	R2: Follow timing function / Instantenous					
Maximum switching voltage	250 V \sim / 10 A resistive	/ 125 V / 0.3 A res	istive			
Switching current rate (resistive)	NO / NC: 10 A 250 V~ / 10 A 30 V @ 25 °C NO / NC: 5 A 250 V~ / 5 A 30 V @ 60 °C					
Minimum switching contact	10 mA / 5 V					
Maximum switching power (resistive)	2500 VA / 300 W					
Electrical life	105 cycles min at 250 V \sim / 10 A resistive (NO only)					
Maximum rate (at max switching power)	360 cycles /hour					
Mechanical life	10 x 10 ⁶ cycles					
Rated impulse voltage	4 kV (1.2/50 μs)					
Dielectric strength between coil / contacts (IEC 60664-1)	2.5 kV / 1 min / 1 mA / 50 Hz					
Dielectric strength between open contacts Insulation	1 kV / 1 min / 1 mA / 50	Hz				
Rated Insulation voltage (IEC 60664-1)	250 V					
Insulation coordination (IEC 60664-1)	250 V Overvoltage category III; pollution degree 2; up to 2000 m above sea level					
Rated impulse voltage (IEC 60664-1)						
Clearance / Creepage distances (IEC 60664-1)	4 kV (1.2/50 μs) 3 mm / 3.2 mm					
Dielectric strength (EN-61812-1)	2.5 kV / 1 min / 1 mA / 50 Hz					
Insulation Resistance (NFC 93 050)	> 500 MOhms / 250 V / 1 min					
General specifications						
Status indication (LED)	-		n waiting Y1, continuous ON tantaneous), continuous ON			
Casing	35 mm					
Mounting	Mounting base-mounted on socket					
Housing material (UL94)	Enclosure plastic type \	/0				
Degree of protection (IEC 60529)	IP40					
Operating temperature (IEC 60068-2)	-20 °C to +60 °C					

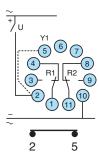
	PU2R10MV1	PA2R10MV1	PC2R10MV1	PL2R10MV1	
Storage temperature (IEC 60068-2)	-40 °C to +70 °C				
Humidity (IEC 60068-2-30)	93 % without conder	nsation			
Vibration resistance (IEC 60068-2-6)	±0.15mm from 10 Hz60 Hz 2 g from 60 Hz150 Hz				
Shock resistance (IEC60068-2-27)	10 gn - 11 ms; 3 X 6 axis (Output non-energized) 5 gn - 11 ms; 3 X 6 axis (Output energized)				
Drop to concrete floor (IEC 60068-2-32)	High: 0.75 m				
Weight	90 g 110 g with packaging	2			
Standards		5			
CEE Directive: 2014/30/EU	EMC				
2014/35/EU	Low voltage				
Approvals / Marking	CE cULus Listed Industrial Control Equipment				
Security standard (IEC 60664-1)	Insulation coordination	on for equipment within	low-voltage systems		
Conformity with environmental directives: 2015/863/UE 1907/2006 2012/19/UE	RoHS Reach WEEE				
Product standard (IEC 61812-1 / UL 60947-4-1)		s for industrial use uipment (NRNT- Indust lation Coordination for E	,		
Electromagnetic compatibility: IEC 61000-6-2 IEC 61000-6-3	Generic standards Immunity for industri Emission residential				
EC 61000-6-4	Emission industrial e	environment			
mmunity to electrostatic discharges (IEC61000-4-2)	Level III Air ±8 KV / 0	Contact ±6 KV			
Immunity to radiated, radio-frequency, electromagnetic field (IEC61000-4-3)	Level III 10 V/m (80 MHz to 1 3 V/m (1.4 to 2 GHz 1 V/m (2 to 2.7 GHz)		
Immunity to rapid transient bursts (IEC 61000-4-4)		r/Th ns 5 KKz & 100 Kł clamp ± 2 KV 5/50 Tr/Tl			
mmunity to shock waves on power supply (IEC 61000-4-5)		h ±2 kV / line-to-line ±			
Immunity to radiofrequency in common mode (IEC 61000-4-6)	Level III: 10 Vrms (0	.15 to 80 MHz) 80 % AN	Л (1 kHz)		
Immunity to voltage dips and breaks (IEC 61000-4-11)	40 % residual voltag 70 % residual voltag Short interruptions:	during 1 cycle (Crit. B) e / 10 cycles 50 Hz / 12 e / 25 cycles 50 Hz / 30 / 250 cycles 50 Hz / 30	cycles 60 Hz (Crit. C)		
AC/DC main port emissions (IEC 61000-6-3 IEC 61000-6-4)	CISPR 16-2-1 (7.4.1 0.15 MHz – 0.5 MHz 0.5 MHz – 5 MHz, 50 5 MHz – 30 MHz, 60 CISPR 14-1 0.15 MHz – 30 MHz CISPR 16-2-1 (7.4.1 0.15 MHz – 0.5 MHz), CISPR 16-1-2 (4.3)	/) quasi-peak, 56 dB(μV) – 5 dB(μV) average dB(μV) average , 66 dB(μV) average	46 dB(μV) average	
Radiated emissions (IEC 61000-6-3 IEC 61000-6-4)	230 MHz – 1 000 Mł Or: 30 MHz – 230 M				



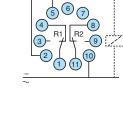
Connections

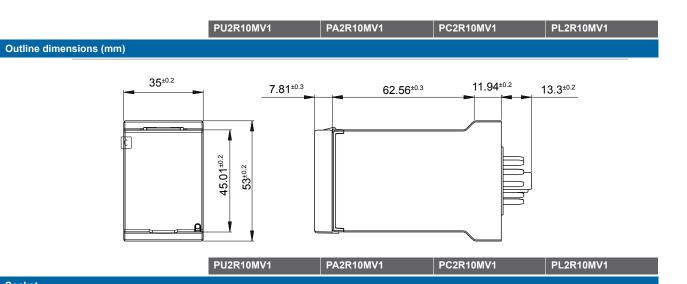
PU2R10MV1, PA2R10MV1, PC2R10MV1





PL2R10MV1





Socket

RECOMENDED SOCKET

11 Pins for DIN Rail or Panel Mount (P/N: 25 622 080)



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