



Main

Range	EasyPact
Product name	EasyPact TVR
Product or component type	Control relay
Device short name	CAR
Contactor application	Control circuit
Pole contact composition	2 NO + 2 NC
[Uc] control circuit voltage	110 V AC 50 Hz

Complementary

[Ue] rated operational voltage	690 V AC 25...400 Hz
Mechanical durability	7 Mcycles
Maximum operating rate	30 cyc/mn
Operating time	4...19 ms coil energisation and NC opening 12...22 ms coil energisation and NO closing 4...12 ms coil de-energisation and NO opening 6...17 ms coil de-energisation and NC closing
Control circuit voltage limits	Operational: 0.85...1.1 Uc at 50 Hz Drop-out: 0.3...0.6 Uc
Hold-in power consumption in VA	8 VA 50 Hz (at 20 °C)
Inrush power in VA	70 VA 50 Hz (at 20 °C)
[Ith] conventional free air thermal current	10 A (at 40 °C)
Irms rated making capacity	140 A AC conforming to GB 14048 250 A DC conforming to GB 14048
[Icw] rated short-time withstand current	120 A - 500 ms 140 A - 100 ms
Associated fuse rating	10 A gG conforming to GB 14048
[Ui] rated insulation voltage	690 V conforming to GB 14048
Insulation resistance	> 10 MΩ
[Uimp] rated impulse withstand voltage	6 kV conforming to GB 14048
Minimum switching current	5 mA
Switching voltage	17 V
Non-overlap time	1.5 ms
Mounting support	Rail Plate
Connections - terminals	Control circuit: screw clamp terminals 1 1...2.5 mm ² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 1...2.5 mm ² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 1...2.5 mm ² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 1...2.5 mm ² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 1...2.5 mm ² - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 1...2.5 mm ² - cable stiffness: solid without cable end
Tightening torque	1.2 N.m - on screw clamp terminals
Height	74 mm

Width	45 mm
Depth	80 mm
Net weight	280 g

Environment

Standards	GB 14048.5 IEC 60947-5-1 VDE 0660
Product certifications	CCC
IP degree of protection	IP20 conforming to VDE 0106
Pollution degree	3
Protective treatment	TH conforming to IEC 60068
Permissible ambient air temperature around the device	-20...55 °C at Uc
Ambient air temperature for operation	-5...40 °C
Ambient air temperature for storage	-40...60 °C
Operating altitude	2000 m without derating
Mechanical robustness	Shocks 11 ms control relay open (5 gn) conforming to IEC 60068-2-27 Shocks 11 ms control relay closed (8 gn) conforming to IEC 60068-2-27 Vibrations control relay open (1.2 gn, 5...300 Hz) conforming to IEC 60068-2-6 Vibrations control relay closed (4 Gn, 5...300 Hz) conforming to IEC 60068-2-6

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.5 cm
Package 1 Width	8 cm
Package 1 Length	7.4 cm
Package 1 Weight	280 g

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant  EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins