

Main

Range	EasyPact
Product name	EasyPact TVS
Product or component type	Control relay
Device short name	CAE
Contactor application	Control circuit

Complementary

Utilisation category	AC-14 AC-15
Pole contact composition	3 NO + 1 NC
[Ue] rated operational voltage	≤ 690 V AC
Control circuit type	AC at 50 Hz
[Uc] control circuit voltage	110 V AC at 50 Hz
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947
[Ith] conventional free air thermal current	10 A (≤ 40 °C)
Irms rated making capacity	140 A at 690 V AC conforming to IEC 60947-5-1
[Icw] rated short-time withstand current	140 A (100 ms) 120 A (500 ms)
Associated fuse rating	10 A (gG) at 690 V conforming to IEC 60947-5-1
[Ui] rated insulation voltage	690 V conforming to IEC 60947-5-1
Mounting support	Plate Rail
Connections - terminals	Screw clamp terminals : 2 solid cable(s) without cable end of 1...2.5 mm ² Screw clamp terminals : 1 solid cable(s) without cable end of 1...2.5 mm ² Screw clamp terminals : 2 flexible cable(s) with cable end of 1...2.5 mm ² Screw clamp terminals : 1 flexible cable(s) with cable end of 1...2.5 mm ² Screw clamp terminals : 2 flexible cable(s) without cable end of 1...2.5 mm ² Screw clamp terminals : 1 flexible cable(s) without cable end of 1...2.5 mm ²
Tightening torque	Screw clamp terminals : 1.2 N.m (Philips No 2)
Control circuit voltage limits	0.3...0.6 Uc (drop-out) 0.85...1.1 Uc at 50 Hz (operational)
Operating time	6...17 ms for coil de-energisation and NO closing 4...12 ms for coil de-energisation and NC opening 12...22 ms for coil energisation and NO closing 4...19 ms for coil energisation and NC opening
Mechanical durability	10 Mcycles
Operating rate	180 cyc/mn
Inrush power in VA	70 VA at 50 Hz (20 °C)
Hold-in power consumption in VA	8 VA at 50 Hz (20 °C)
Minimum switching voltage	17 V
Minimum switching current	5 mA
Non-overlap time	1.5 ms on de-energisation between NC and NO contact 1.5 ms on energisation between NC and NO contact
Insulation resistance	> 10 MOhm

Mechanical robustness	Vibrations (control relay closed): 3 Gn, 5...300 Hz Vibrations (control relay open): 1.5 Gn, 5...300 Hz Shocks (control relay closed): 10 Gn for 11 ms Shocks (control relay open): 7 Gn for 11 ms
Height	74 mm
Width	45 mm
Depth	80 mm
Product weight	0.28 kg

Environment

Standards	IEC 60947-5-1
Product certifications	GOST
IP degree of protection	IP20 conforming to IEC 60529
Protective treatment	TH conforming to IEC 60068
Ambient air temperature for operation	-20...70 °C
Ambient air temperature for storage	-60...80 °C
Operating altitude	3000 m without derating factor

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1110 - Schneider Electric declaration of conformity