Product data sheet
Characteristics

CAE40M5
Easy TeSys control relay - 4 NO <= 690 V - 220 VAC

Main

Range	Easy TeSys
Range of product	Easy TeSys Control Relay
Product or component type	Control relay
Device short name	CAE
Contactor application	Control circuit
Colour	Grey (RAL 7011)

Complementary

Utilisation category	AC-14 AC-15
Pole contact composition	4 NO
[Ue] rated operational voltage	<= 690 V AC
Control circuit type	AC at 50 Hz
[Uc] control circuit voltage	220 V AC 50 Hz
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947
[Ith] conventional free air thermal current	10 A (at 40 °C)
Irms rated making capacity	140 A at 690 V AC conforming to IEC 60947-5-1
[Icw] rated short-time withstand current	120 A - 500 ms 140 A - 100 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 1 1…2.5 mm² - cable stiffness: flexible without cable end Screw clamp terminals 2 1…2.5 mm² - cable stiffness: flexible without cable end Screw clamp terminals 1 1…2.5 mm² - cable stiffness: flexible with cable end Screw clamp terminals 2 1…2.5 mm² - cable stiffness: flexible with cable end Screw clamp terminals 1 1…2.5 mm² - cable stiffness: solid without cable end Screw clamp terminals 2 1…2.5 mm² - cable stiffness: solid without cable end
Recommended tightening torque	1.2 N.m - on screw clamp terminals - with screwdriver Philips No 2
Control circuit voltage limits	Operational: 0.85...1.1 Uc at 50 Hz Drop-out: 0.3...0.6 Uc
Operating time	12...22 ms coil energisation and NO closing 6...17 ms coil de-energisation and NO closing
Mechanical durability	10 Mcycles
Maximum operating rate	180 cyc/mn
Inrush power in VA	70 VA 50 Hz (at 20 °C)
Hold-in power consumption in VA	8 VA 50 Hz (at 20 °C)
Minimum switching voltage	17 V
Minimum switching current	5 mA
Insulation resistance	> 10 MOhm
Mechanical robustness	Shocks control relay open: 7 Gn for 11 ms Shocks control relay closed: 10 Gn for 11 ms Vibrations control relay open: 1.5 Gn, 5...300 Hz Vibrations control relay closed: 3 Gn, 5...300 Hz

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Height	74 mm
Width	45 mm
Depth	80 mm
Net weight	0.28 kg

Environment

Standards	IEC 60947-5-1
Product certifications	GOST
IP degree of protection	IP2X 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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.1 cm
Package 1 Width	7.5 cm
Package 1 Length	8.7 cm
Package 1 Weight	291.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	36
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	10080.32 g
Unit Type of Package 3	P06
Number of Units in Package 3	576
Package 3 Height	115.0 cm
Package 3 Width	60.0 cm
Package 3 Length	80.0 cm
Package 3 Weight	179.32 kg

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

Contractual warranty

Warranty	18 months