

# Product datasheet

Specifications



Control relay, Easy TeSys  
Control, CAE, 4NO, <=690V, 220V  
AC 50Hz coil

CAE40M5

## 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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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
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

# Contractual warranty

Warranty	18 months
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Sustainability



**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)



Transparency   RoHS/REACH

Well-being performance

✓	Reach Free Of Svhc	
✓	Toxic Heavy Metal Free	
✓	Mercury Free	
✓	Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Compliant <a href="#">EU RoHS Declaration</a>
China Rohs Regulation	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	<a href="#">End of Life Information</a>