

# Product datasheet

Specifications



## Easy TeSys control relay - 2 NO + 2 NC $\leq 690$ V - 110 VAC

CAE22F5

### Main

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

### Complementary

Utilisation category	AC-15 AC-14
Pole contact composition	2 NO + 2 NC
[Ue] rated operational voltage	$\leq 690$ V AC
Control circuit type	AC at 50 Hz
[Uc] control circuit voltage	110 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 mm <sup>2</sup> - cable stiffness: flexible without cable end Screw clamp terminals 2 1...2.5 mm <sup>2</sup> - cable stiffness: flexible without cable end Screw clamp terminals 1 1...2.5 mm <sup>2</sup> - cable stiffness: flexible with cable end Screw clamp terminals 2 1...2.5 mm <sup>2</sup> - cable stiffness: flexible with cable end Screw clamp terminals 1 1...2.5 mm <sup>2</sup> - cable stiffness: solid without cable end Screw clamp terminals 2 1...2.5 mm <sup>2</sup> - 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 U <sub>c</sub> at 50 Hz Drop-out: 0.3...0.6 U <sub>c</sub>
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 NC opening 6...17 ms coil de-energisation and NO closing
Mechanical durability	10 Mcycles

<b>Maximum operating rate</b>	180 cyc/mn
<b>Inrush power in VA</b>	70 VA 50 Hz (at 20 °C)
<b>Hold-in power consumption in VA</b>	8 VA 50 Hz (at 20 °C)
<b>Minimum switching voltage</b>	17 V
<b>Minimum switching current</b>	5 mA
<b>Non-overlap time</b>	1.5 ms on energisation between NC and NO contact 1.5 ms on de-energisation between NC and NO contact
<b>Insulation resistance</b>	> 10 MOhm
<b>Mechanical robustness</b>	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
<b>Height</b>	74 mm
<b>width</b>	45 mm
<b>Depth</b>	80 mm
<b>Net weight</b>	0.28 kg

## Environment

<b>Standards</b>	IEC 60947-5-1
<b>Product certifications</b>	GOST
<b>IP degree of protection</b>	IP2X conforming to IEC 60529
<b>Protective treatment</b>	TH conforming to IEC 60068
<b>Ambient air temperature for operation</b>	-20...70 °C
<b>Ambient air temperature for storage</b>	-60...80 °C
<b>Operating altitude</b>	3000 m without derating

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	5.2 cm
<b>Package 1 Width</b>	7.5 cm
<b>Package 1 Length</b>	8.7 cm
<b>Package 1 Weight</b>	305 g
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	36
<b>Package 2 Height</b>	15 cm
<b>Package 2 Width</b>	30 cm
<b>Package 2 Length</b>	40 cm
<b>Package 2 Weight</b>	10080.32 g
<b>Unit Type of Package 3</b>	P06
<b>Number of Units in Package 3</b>	576
<b>Package 3 Height</b>	115 cm
<b>Package 3 Width</b>	60 cm

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Package 3 Length	80 cm
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Package 3 Weight	179.32 kg
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## Contractual warranty

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Warranty	18 months
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## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[How this information helps you >](#)

### Environmental footprint

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	201
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[Environmental Disclosure](#)

[Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard	No
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Packaging without single use plastic	No
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<a href="#">EU RoHS Directive</a>	Compliant
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REACH Regulation	<a href="#">REACH Declaration</a>
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China RoHS Regulation	<a href="#">China RoHS declaration</a>
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## Use Again

### Repack and remanufacture

[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

Take-back

No

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Offer Marketing Illustration

Product benefits / Features

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## Easy TeSys Control Relays



### Designed for the essential

Delivers the best balance between performance and budget without any compromise on quality



### Easy choice and application

Easier to install, order and understand, and operate with multi-standard screws



### Cost-effective

Provides a cost-effective solution to simple light duty applications



Offer Marketing Illustration

Product benefits / Features

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Easy TeSys  
Control Relays  
Range Accessories

Contactor Coil

Auxiliary contact block

Connection block

Terminal block

Suppressor module

The image displays a collection of accessories for Easy TeSys control relays. At the top left is a large grey relay unit with orange contacts. Below it are five smaller components: a black contactor coil, a grey auxiliary contact block, a grey connection block, a black terminal block, and a white suppressor module with gold pins.

Offer Marketing Illustration

Product benefits / Features

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### Easy TeSys Control Relays

#### Technical Benefits



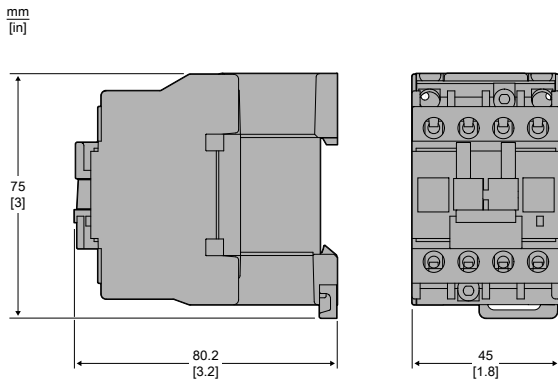
- For demanding applications with standard operating rates until 3 cycles/second.
- Up to 10 million mechanical operation cycles
- Compact (45mm width), for clipping on 35mm DIN rail or fixing by screw.
- 3 combinations: 2NO/2NC, 3NO/1NC, 4NO
- Multi-standards certified (IEC, CCC, EAC) and Green Premium compliant (RoHs/Reach).



Technical Illustration

Assembly's dimensions

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Technical Illustration

Assembly's dimensions

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