

# Product datasheet

Specifications



## electronic overload relay for motor TeSys - 0.3...1.5 A - 200...240 V AC

LR97D015M7

**Price: 1,658.05 ZAR**

### Main

Range	TeSys
Product Name	TeSys D
Device Short Name	LR97
Product Or Component Type	Electronic overcurrent relay
Relay Application	Sensitivity to phase failure Overload $I_{max} > I_{setting}$ Locked rotor, mechanical jamming $I > 3 \times I_{setting}$
Product Compatibility	LC1D09...D38
Network Type	AC
[Us] Rated Supply Voltage	200...240 V AC
Thermal Protection Adjustment Range	0.3...1.5 A
[Ue] Rated Operational Voltage	600 V AC 50/60 Hz for power circuit conforming to CSA 600 V AC 50/60 Hz for power circuit conforming to UL 690 V AC 50/60 Hz for power circuit conforming to IEC 60947-4-1
Quantity Per Set	Set of 10

### Complementary

Network Frequency	50...60 Hz
Mounting Support	Direct on contactor Rail
Tripping Threshold	0.3...1.3 A
Surge Withstand	6 kV conforming to IEC 61000-4-5
Contacts Type And Composition	1 C/O
[Ith] Conventional Free Air Thermal Current	3 A for control circuit
Protection Type	BS fuse 3 A - for control circuit GB2 circuit breaker 3 A - for control circuit GG fuse 3 A - for control circuit
Maximum Power	28 W at 110 V DC conforming to IEC 60947 28 W at 220 V DC conforming to IEC 60947 55 W at 24 V DC conforming to IEC 60947 55 W at 48 V DC conforming to IEC 60947 140 VA at 48 V AC conforming to IEC 60947 360 VA at 110 V AC conforming to IEC 60947 360 VA at 220 V AC conforming to IEC 60947 70 VA at 24 V AC conforming to IEC 60947
[Ui] Rated Insulation Voltage	Power circuit: 600 V conforming to CSA Power circuit: 600 V conforming to UL Power circuit: 690 V conforming to IEC 60947-4-1
[Uimp] Rated Impulse Withstand Voltage	6 kV

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

<b>Phase Failure Sensitivity</b>	< 3 s
<b>Reset</b>	Automatic reset 120 s fixed Electrical by interruption of power supply for minimum 0.1 s Manual reset
<b>Time Range</b>	0.2...10 s - O-time knob 0.3...10 s - O-time knob 0.5...30 s - D-time knob
<b>Signalling Function</b>	2 LEDs
<b>Connections - Terminals</b>	Control circuit: cable 1 x 1...25 mm <sup>2</sup> flexible with cable end Control circuit: cable 1 x 1...25 mm <sup>2</sup> flexible without cable end Power circuit: cable 1 x 1...4 mm <sup>2</sup> flexible with cable end Power circuit: cable 1 x 1.5...10 mm <sup>2</sup> flexible without cable end Power circuit: lug-clamp 1 x 1...4 mm <sup>2</sup> flexible with cable end Power circuit: lug-clamp 1 x 1.5...10 mm <sup>2</sup> flexible without cable end Control circuit: cable 2 x 1...25 mm <sup>2</sup> flexible with cable end Control circuit: cable 2 x 1...25 mm <sup>2</sup> flexible without cable end Control circuit: lug-clamp 1 x 1...25 mm <sup>2</sup> flexible with cable end Control circuit: lug-clamp 1 x 1...25 mm <sup>2</sup> flexible without cable end Control circuit: lug-clamp 2 x 1...25 mm <sup>2</sup> flexible with cable end Control circuit: lug-clamp 2 x 1...25 mm <sup>2</sup> flexible without cable end
<b>Tightening Torque</b>	Control circuit: 0.6...1.2 N.m on lug-clamp Power circuit: 2 N.m on cable
<b>Height</b>	67.5 mm
<b>Width</b>	45 mm
<b>Depth</b>	67.5 mm
<b>Net Weight</b>	0.172 kg

## Environment

<b>Standards</b>	IEC 60255-6 IEC 60947
<b>Product Certifications</b>	CSA UL GOST
<b>Protective Treatment</b>	TH conforming to IEC 60068
<b>Ip Degree Of Protection</b>	IP20 conforming to IEC 60529
<b>Ambient Air Temperature For Operation</b>	-25...60 °C conforming to IEC 60947-4-1
<b>Ambient Air Temperature For Storage</b>	-30...80 °C
<b>Operating Altitude</b>	2000 m
<b>Fire Resistance</b>	850 °C conforming to IEC 60695-2-1
<b>Shock Resistance</b>	15 gn 11 ms conforming to IEC 60068-2-7
<b>Vibration Resistance</b>	4 gn conforming to IEC 60068-2-6
<b>Dielectric Strength</b>	2 V 50 Hz conforming to IEC 60255-5
<b>Resistance To Electrostatic Discharge</b>	6 kV in indirect mode 8 kV in air
<b>Resistance To Radiated Fields</b>	10 V/m level 3
<b>Resistance To Fast Transients</b>	2 kV
<b>Disturbance Radiated/Conducted</b>	10 V conforming to EN 61000-4-6 Class A conforming to EN 55011

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
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<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	5.500 cm
<b>Package 1 Width</b>	7.200 cm
<b>Package 1 Length</b>	7.700 cm
<b>Package 1 Weight</b>	182.000 g
<b>Unit Type Of Package 2</b>	S02
<b>Number Of Units In Package 2</b>	24
<b>Package 2 Height</b>	15.000 cm
<b>Package 2 Width</b>	30.000 cm
<b>Package 2 Length</b>	40.000 cm
<b>Package 2 Weight</b>	4.798 kg

## Contractual warranty

<b>Warranty</b>	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 >](#)

## Well-being performance

 Mercury Free

 Rohs Exemption Information [Yes](#)

**Reach Regulation** [REACH Declaration](#)

**Eu Rohs Directive** Compliant with Exemptions

**China Rohs Regulation** [China RoHS declaration](#)  
Product out of China RoHS scope. Substance declaration for your information

**Weee** The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins