

LR97D38M7

elektr.relej za motor za topl. preopt.za motor TeSys–
20...38 A–200...240V AC



Glavno

Range	TeSys
Product name	TeSys D
Device short name	LR97
Product or component type	Electronic overcurrent relay
Relay application	Locked rotor, mechanical jamming $I > 3 \times I_{setting}$ Overload $I_{max} > I_{setting}$ Sensitivity to phase failure
Product compatibility	LC1D25...D38
Network type	AC
[Us] rated supply voltage	200...240 V AC
Thermal protection adjustment range	20...38 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

Komplementarno

Network frequency	50...60 Hz
Mounting support	Direct on contactor Rail
Tripping threshold	20...34 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 Wat 110 V DC conforming to IEC 60947 28 Wat 220 V DC conforming to IEC 60947 55 Wat 24 V DC conforming to IEC 60947 55 Wat 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	600 V power circuit conforming to CSA 600 V power circuit conforming to UL 690 V power circuit conforming to IEC 60947-4-1
[Uimp] rated impulse withstand voltage	6 kV
Phase failure sensitivity	< 3 s
Reset	Automatic reset 120 s fixed Electrical by interruption of power supply for minimum 0.1 s Manual reset
Time range	0.2...10 s - O-time knob 0.3...10 s - O-time knob 0.5...30 s - D-time knob
Signalling function	2 LEDs
Connections - terminals	Control circuit: cable 1 cable 1...25 mm ² - cable stiffness: flexible - with cable end Control circuit: cable 1 cable 1...25 mm ² - cable stiffness: flexible - without cable end Control circuit: cable 2 cable 1...25 mm ² - cable stiffness: flexible - without cable end

Informacije dane u ovoj dokumentaciji sadrže opće tehničke karakteristike o performansama ovdje sadržanih proizvoda.
Ova dokumentacija nije namijenjena kao zamjena za niti bi se trebala koristiti za određivanje prikladnosti ili pouzdanosti predmetnih proizvoda za konkretne korisničke primjene.
Svaki takav korisnik ili integrator dužan je provesti odgovarajuću i poplunu analizu rizika, procjenu i ispitivanje proizvoda u odnosu na odgovarajuću specifičnu primjenu ili uporabu istog.
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Control circuit: lug-clamp 1 cable 1...25 mm² - cable stiffness: flexible - with cable end
 Control circuit: lug-clamp 1 cable 1...25 mm² - cable stiffness: flexible - without cable end
 Control circuit: lug-clamp 2 cable 1...25 mm² - cable stiffness: flexible - with cable end
 Control circuit: lug-clamp 2 cable 1...25 mm² - cable stiffness: flexible - without cable end
 Control circuit: cable 2 cable 1...25 mm²
 Power circuit: cable 1 cable 1...6 mm² - cable stiffness: flexible - without cable end
 Power circuit: cable 1 cable 2.5...10 mm² - cable stiffness: flexible - with cable end
 Power circuit: lug-clamp 1 cable 1...6 mm² - cable stiffness: flexible - without cable end
 Power circuit: lug-clamp 1 cable 2.5...10 mm² - cable stiffness: flexible - with cable end

Tightening torque	Control circuit: 0.6...1.2 N.m - on lug-clamp Power circuit: 2 N.m - on cable
Height	67.5 mm
Width	45 mm
Depth	67.5 mm
Product weight	0.172 kg

Okolina

standards	IEC 60255-6 IEC 60947
product certifications	CSA GOST UL
protective treatment	TH conforming to IEC 60068
IP degree of protection	IP20 conforming to IEC 60529
ambient air temperature for operation	-25...60 °C conforming to IEC 60947-4-1
ambient air temperature for storage	-30...80 °C
operating altitude	2000 m
fire resistance	850 °C conforming to IEC 60695-2-1
shock resistance	15 gn 11 ms conforming to IEC 60068-2-7
vibration resistance	4 gn conforming to IEC 60068-2-6
dielectric strength	2 Vat 50 Hz conforming to IEC 60255-5
resistance to electrostatic discharge	6 kV in indirect mode 8 kV in air
resistance to radiated fields	10 V/m level 3
resistance to fast transients	2 kV
disturbance radiated/conducted	10 V conforming to EN 61000-4-6 Class A conforming to EN 55011

Contractual warranty

Warranty period	18 months
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