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Overload Relays

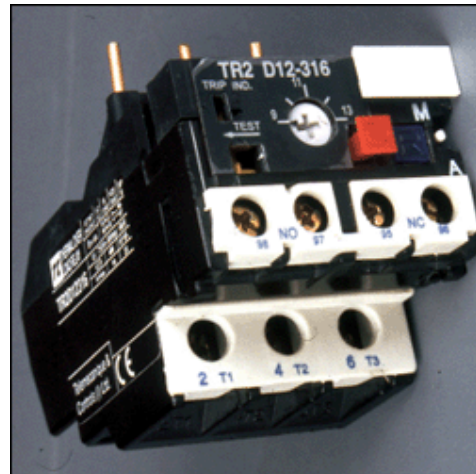
Introduction – Overload Relays

0.10A to 66.0A



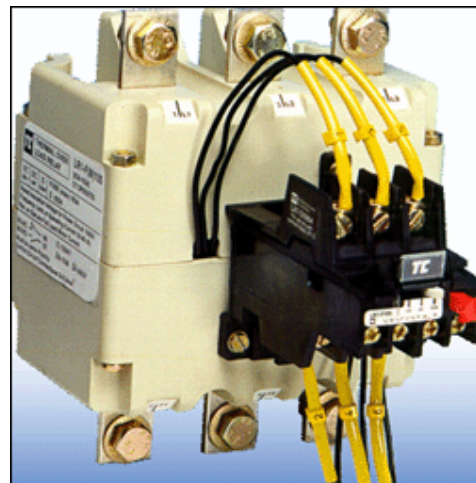
Thermal Overload Relays – LR-1D

0.10A to 93.0A



Thermal Overload Relays – TR-2D

66A to 1000A



Thermal Overload Relay – LR1 - F



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Overload Relays

D- Range Thermal Overload Relays



Thermal Overload Relay 0.10A to 66.0A

Overload relay type LR1-D are 3 Pole, manual reset type, providing protection against overload, single phasing & unbalance voltages. They are primarily direct mounting on compatible D Range contactors & with independent mounting kit can be converted to individual mounting relays. They are available in relay setting range from 0.10 to 66A direct operated in 21 options of relay range to fully protect the electric drives. Where as independent mounting relay is available in relay setting range 66 to 80A. They fully meet the requirements of IEC 947-4-1 & IS 13947-4-1.

Superior Class 10 characteristics Class 10 overloads like LR1-D series have been recognized by many motor manufacturers as the ideal type to assure optimum protection for today's T-frame motors.

Single phase protection

A unique differential slide mechanism assures accelerated tripping under single phase conditions & unbalanced voltages.

Ambient temperature compensation

All LR1-D series thermal overload relays are temperature compensated to ensure that tripping characteristics remain constant over an ambient range of -40 to +60 degrees C

Control Circuit

All LR1-D series overload relays have two independent, polarity free, 1 NO & 1 NC control contacts. They have thermal rating at 10 A

Standards & Approvals

Designed to meet or exceed IEC, UL, CSA, VDE, BS & BIS standards

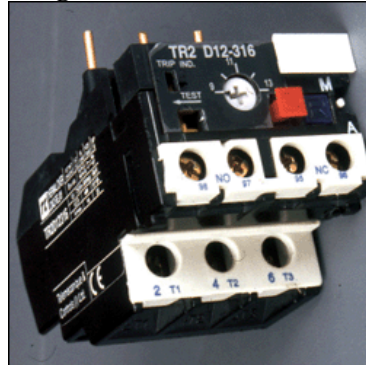
- Compliance to IEC 947-4-1 & BIS 13947-4-1
- UL listed, File # E169292
- CSA Certified File # 209962
- ISO 9001:2000 certified company



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Overload Relays

T- Range Thermal Overload Relays



Thermal Overload Relay 0.10A to 93.0A

Overload relay type TR2-D are 3 Pole, manual/ auto reset type, providing protection against overload, single phasing & unbalance voltages. They are primarily direct mounting on compatible T Range contactors & with independent mounting kit can be converted to individual mounting relays. They are available in relay setting range from 0.10 to 93A direct operated in 24 options of relay range to fully protect the electric drives. They fully meet the requirements of IEC 947-4-1 & IS 13947-4-1.

Superior Class 10 characteristics

Class 10 overloads like TR2-D series have been recognized by many motor manufacturers as the ideal type to assure optimum protection for today's T-frame motors.

Single phase protection

A unique deferential slide mechanism assures accelerated tripping under single phase conditions & unbalanced voltages.

Ambient temperature compensation

All TR2-D series thermal overload relays are temperature compensated to ensure that tripping characteristics remain constant over an ambient range of -40 to +60 degrees C

Control Circuit

All TR2-D series overload relays have two independent, polarity free, 1 NO & 1 NC control contacts.

They have thermal rating at 10 A

Stop & test function

All TR2-D relay are provided separate stop & test function which enables to test auxiliary contacts manually if required.

Protective shrouds

The entire rang is provided protective shrouds, IP 20 category, to ensure operator safety

Standards & Approvals

Designed to meet or exceed IEC, UL, CSA, VDE, BS & BIS standards

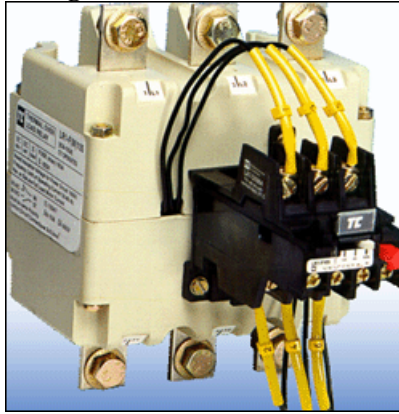
- Compliance to IEC 947-4-1 & BIS 13947-4-1
- UL listed, File # E169292
- CSA Certified File # 209962
- CE marked
- ISO 9001:2000 certified company



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Overload Relays

F-Range Thermal Overload Relays



Thermal Overload Relay 66A to 1000A

Overload relay type LR1-F are 3 Pole, manual reset type, providing protection against overload, single phasing & unbalance voltages. They are primarily direct mounting on compatible F Range contactors. They are available in relay setting range from 66 to 1000A, CT operated, in 11 options of relay range to fully protect the electric drives. They fully meet the requirements of IEC 947-4-1 & IS 13947-4-1.

These relays have on the secondary side LR1-D relays. For details to Thermal overload relay LR1-D

Standards & Approvals

Designed to meet or exceed IEC, UL, CSA, VDE, BS & BIS standards

- Compliance to IEC 947-4-1 & BIS 13947-4-1
- UL listed, File # E169292
- CSA Certified File # 209962
- ISO 9001:2000 certified company