

MPR200nX / MPR300



MPR200nX / MPR300 is a microcontroller based LT Motor protection relay. The relay has got inbuilt CTs for motor sizes up to 50KW (i.e. 88 A current)

Protections offered:

49, 51LR, 37, 64*, 46

- Thermal Overload
- Earth Fault (MPR300 only)
- Single Phasing, Current unbalance
- Phase sequence reversal
- Locked Rotor
- Under Current



Application

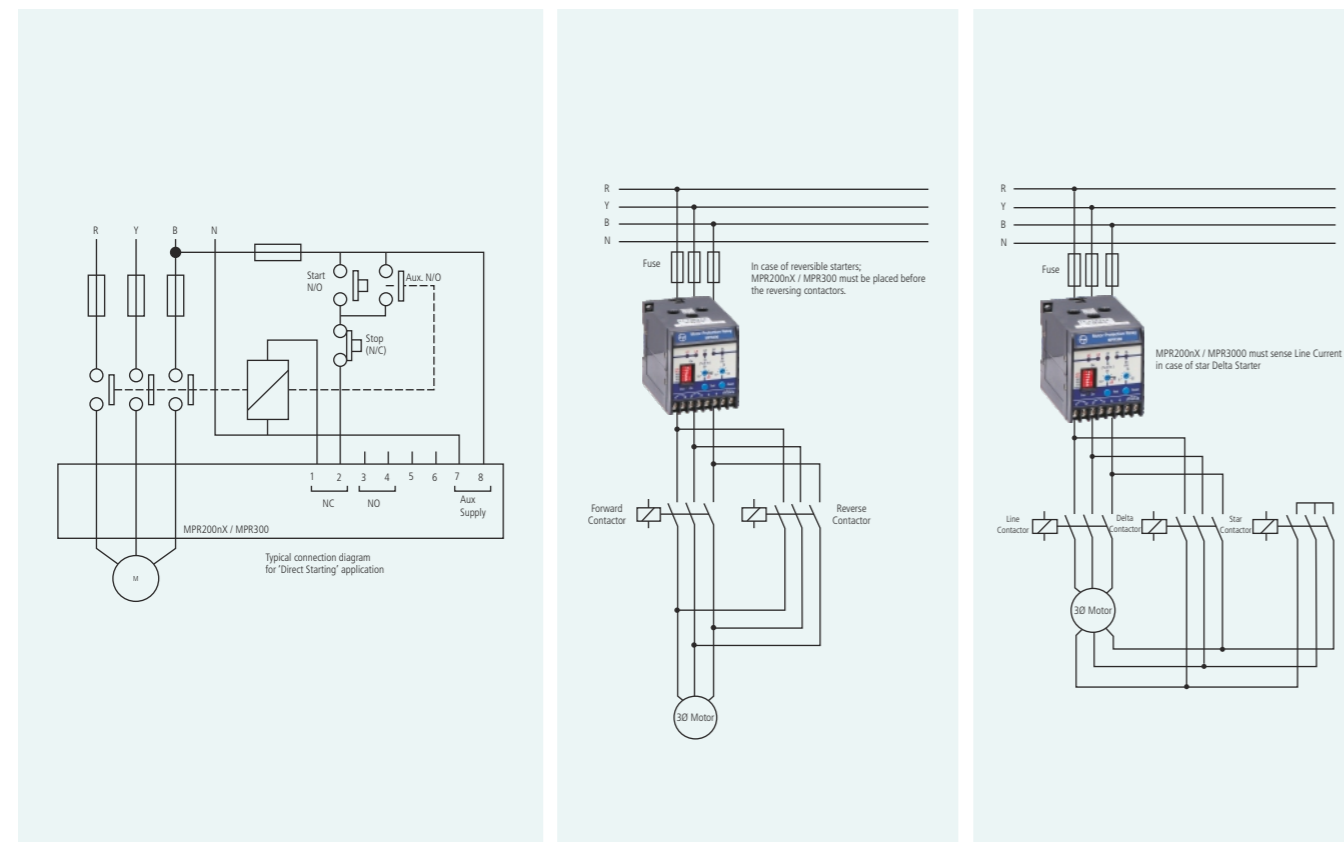
- These relays are used for protection of motors widely used in fans pumps, crushers, mills, compressors, belt conveyors, centrifuges, mixers, ventilators, escalators, motorized valves etc.
- MPR 300 offers you greater security, operator safety through proper co-ordination in case of earth fault on motor feeder.

Features

- LED's for trip indication.
- 4 selectable trip time curves for thermal overload
- Test facility through front push button.
- Manual reset facility through front push button.
- With / Without fail safe mode.*

*Model with fail-safe logic is available on request. For technical info on fail-safe logic refer Appendix i

Wiring diagram



Technical specifications

Parameters		MPR200nX / MPR300
Protections	ANSI nos.	49, 51LR, 37, 64*, 46
	Description	Thermal overload, Earth fault*, Single Phasing, Locked rotor, Under Current, Current Unbalance, Phase sequence reversal
Current range		1 - 88 A
Overload trip class		10A, 10, 20, 30
Auxiliary power supply		240 V AC +/- 20%
		110V AC +/-20%
Contacts		1 N/O + 1 N/C – manual reset
Contact Ratings	Rated Voltage	250 V AC / 30 V DC
	Rated Current	5A
	Rated breaking capacity	2000 VA / 240 W(Resistive)
Dimensions (W x H x D) in mm		70 x 85 x 106
Mounting		DIN Rail
Weight		< 400 grams
Operating Temperature		0 to 60 deg. C
Accuracy		As per IEC 947-4-1
Reference Standards		IEC 60255, IEC 61000 and IEC 60068

* Available only in MPR300

Dimensions

