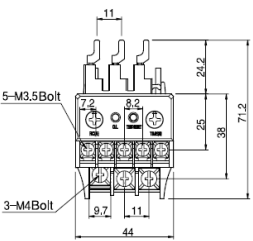
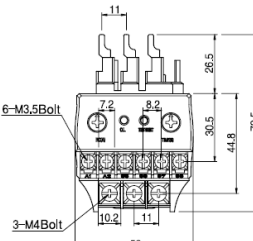
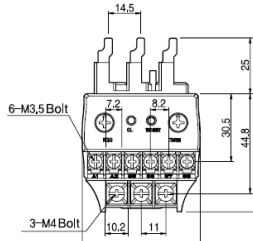
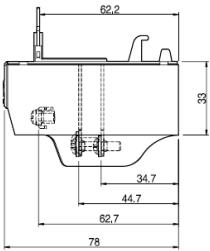
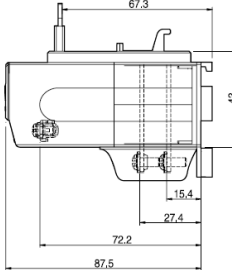
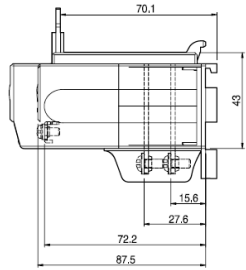
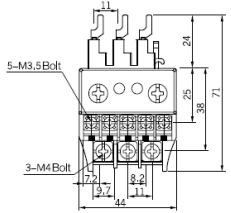
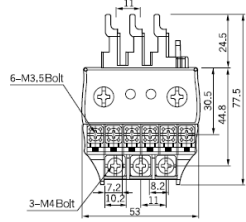
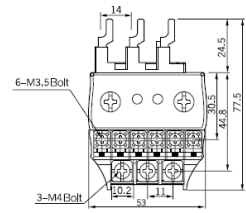
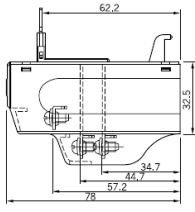
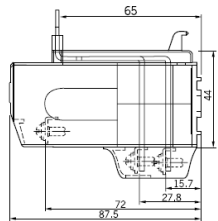
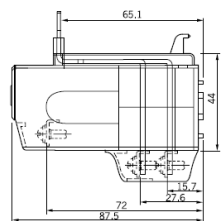


Electronic motor protection relays

Direct mounting EMPR new/old comparative table

| Type | | GMP22-2P (1c) GMP22-2PD (1c) | GMP22-2P GMP22-2PA | GMP22-3P GMP22-3PR | GMP40-2P GMP40-2PD GMP40-2PA | GMP40-3P GMP40-3PR |
|---|--------------------|---|--|---|------------------------------------|-----------------------|
| Number of sensors | | 2 | 2 | 3 | 2 | 3 |
| Protective function | Over current | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Phase failure | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Locked rotor | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Phase unbalance | | | ✓ | | ✓ |
| | Reverse phase | | | ✓ (PR) | | ✓ (PR) |
| Aux. contact (at Energization) | | 1SPDT (1c) | 2SPST (1a1b) | 2SPST (1a1b) | | |
| Rating Current | | 0.3-1.5, 1-5, 4.4-22A | 0.3-1.5, 1-5, 4.4-22A | | 4-20, 8-40A | |
| Metasol (New) | EMPR Dimension |  |  |  | | |
| | |  |  |  | | |
| | Type of contactors | MC-9b, 12b, 18b, 22b | MC-9b, 12b, 18b, 22b | | MC-32a, 40a | |
| Meta-MEC (Old) Discontinued product | EMPR Dimension |  |  |  | | |
| | |  |  |  | | |
| | Type of contactors | GMC-9, 12, 18, 22 | GMC-9, 12, 18, 22 | | GMC-32, 40 | |
| Wiring/Mounting Compatibility ^(Note) | | NO | NO | | NO | |
| Retrofit Type (Tunnel) | GMP60T (1c) | | GMP22-2T | GMP22-3T | GMP40-2T | GMP40-3T |
| | GMP22-2T | | GMP60TA (1c) | GMP22-3TR | GMP60T (1c) | GMP40-3TR |
| | | | | | GMP60TA (1c) | |

Note) If you want to use Metasol EMPR with GMC Contactors, only tunnel type EMPR is available.