



Features

- Range from 6A - 12A AC3
- Control contactors available in all NO/NC combinations (4 Pole)
- Top mounting accessories
- Available with AC or DC control
- Built-in surge suppressor with DC control
- Direct mounting thermal overload relay type MX-R0
- RoHS Compliant



Technical Specification

| Type Designation for AC / DC Control | | MX 6 AC / DC | MX 9 AC / DC | MX 12 AC / DC |
|--|----------------------------|---|-------------------|----------------------|
| Catalogue no. for AC control | | CS94012 / 3 | CS94014 / 5 | CS94016 / 7 |
| Catalogue no. for DC control | | CS94021 / 2 | CS94023 / 4 | CS94025 / 6 |
| Conformance to standards | | IS/IEC 60947-4-1, IEC 60947-4-1, EN 60947-4-1 | | |
| Rated insulation voltage, U_i | | 690V | | |
| Service temperature | | -5°C to +55°C | | |
| Degree of protection | | Protection against direct finger contact from front | | |
| Tightening torque | | 0.8 Nm | | |
| Power Contacts | | | | |
| No. of main poles | | 3 | | |
| Conventional thermal current, I_{th} | | 20A | | |
| Rated current at 415V, 50Hz | Utilization category AC-1 | 20A | | |
| | Utilization category AC-3 | 6A / 3 kW / 4hp | 9A / 4 kW / 5.5hp | 12A / 5.5 kW / 7.5hp |
| Making capacity at 415V, 50Hz | | 10 I_e (AC - 3) A | | |
| Breaking capacity at 415V, 50Hz | | 8 I_e (AC - 3) A | | |
| Short-circuit protection | gG fuse at 415V, 50Hz | 20A | | |
| Electrical durability (AC-3) in million | | 1 | 0.8 | 0.6 |
| Frequency of operation at U_c | Utilization category AC-1 | 3000 Opn / hr | | |
| | Utilization category AC-3 | 750 Opn / hr | | |
| Main terminal capacity | Solid conductors | 2 x 2.5 mm ² | | |
| | Multi-stranded conductors | 2 x 2.5 mm ² | | |
| Auxiliary Contacts | | | | |
| No. of built-in auxiliary contact | | 1 NO or 1 NC | | |
| Conventional thermal current, I_{th} | | 10A | | |
| Rated current at 415V, 50Hz | Utilization category AC-15 | 4A | | |
| Short-circuit protection | gG fuse at 415V, 50Hz | 10A | | |
| Electrical durability (AC-15) at 415V, 50Hz in million | | 1.5 | | |
| Minimum non-overlapping distance | | 0.5 mm | | |
| Maximum frequency of operation at U_c (AC-15) | | 1000 Opn / hr | | |
| Auxiliary terminal capacity | Solid conductors | 2 x 2.5 mm ² | | |
| | Multi-stranded conductors | 2 x 2.5 mm ² | | |
| Maximum Permissible control cable length for drop-off* | 415V | 69.30 m | | |
| | 240V | 207.21 m | | |
| | 110V | 986.37 m | | |

CS94012 / 14 / 16 / 21 / 23 / 25 are 3 Main + 1NO auxiliary contact

CS94013 / 15 / 17 / 22 / 24 / 26 are 3 Main + 1NC auxiliary contact

*Cable Capacitance assumed to be 0.2 microfarad/km