



Description Interruttore automatico scatolato  
 Code MSX 160c  
 No. of poles 3P+N  
 Rated current 40 A  
 Release Electromechanic

#### ELECTRICAL CHARACTERISTICS

|   |                     |
|---|---------------------|
| Standard  | IEC/EN 60947-2      |
| Use category                                      | A                   |
| Rated frequency (Hz)                              | 50 / 60             |
| Rated operating voltage (Ue)                      | 525 Vac - 250 Vdc   |
| Rated impulse withstand voltage (Uimp)            | 8 kV                |
| Overvoltage category                              | IV                  |
| Insulation voltage (Ui)                           | 690 V               |
| Thermal regulation                                | 0,63 - 0,8 - 1 x In |
| Magnetic regulation                               | Fisso - 600A        |
| Neutral protection                                | Not protected       |
| Total power loss                                  | 14.8 W              |
| Rated short-circuit current making capacity (Icm) | -                   |
| Rated short-time withstand current for 0,3s (Icw) | -                   |
| I <sub>dn</sub> regulation                        | -                   |
| DT regulation                                     | -                   |

#### SERVICE BREAKING CAPACITY (ICU)

|            |       |
|------------|-------|
| 220/240Vac | 25 kA |
| 400/415Vac | 16 kA |
| 440Vac     | 10 kA |
| 525Vac     | 6 kA  |
| 690Vac     | -     |
| 250Vdc     | 13 kA |

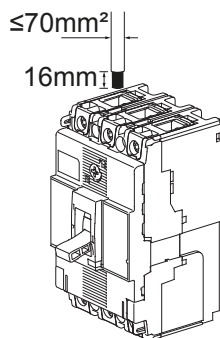
#### MECHANICAL CHARACTERISTICS

|                                     |                            |
|-------------------------------------|----------------------------|
| Execution                           | Fixed                      |
| DIN rail mounting                   | Yes, by means of accessory |
| Can be equipped with motor operator | No                         |
| Compatible interlock                | -                          |
| Terminals supplied                  | Front for FW cables        |
| Assembly position                   | Any                        |
| Upline/downline power supply        | Yes                        |
| Electrical life (415Vac)            | 14.000 cicli               |
| Mechanical life                     | 20.000 cycles              |
| Operating temperature               | -5°C +65°C                 |
| Stocking temperature                | -20° +65°                  |
| Weight (kg)                         | 1                          |
| Width                               | 100 mm                     |
| Height                              | 130 mm                     |
| Depth                               | 68 mm                      |

#### RATED BREAKING CAPACITY (ICS)

|            |       |            |       |
|------------|-------|------------|-------|
| 220/240Vac | 25 kA | 220/240Vac | 13 kA |
| 400/415Vac | 16 kA | 400/415Vac | 8 kA  |
| 440Vac     | 10 kA | 440Vac     | 5 kA  |
| 525Vac     | 6 kA  | 525Vac     | 3 kA  |
| 690Vac     | -     | 690Vac     | -     |
| 250Vdc     | 13 kA | 250Vdc     | 7 kA  |

### DIMENSIONAL





Product Data Sheet

GWD9012

MSX

STANDARDS/APPROVALS

