

## MCCB x250 4P 40kA 250A TM

### Architecture

|                 |                |
|-----------------|----------------|
| Type of order   | Toggle         |
| Type of case    | Fixed built-in |
| Number of poles | 4 P            |
| Type of pole    | 4P4D N:0;100%  |

### Functions

|                                      |        |
|--------------------------------------|--------|
| Complete device with protection unit | yes    |
| Trip Unit                            | TM F/F |
| Integrated earth fault protection    | no     |

### Compatibility

|                                   |    |
|-----------------------------------|----|
| Compatible with DIN rail mounting | no |
|-----------------------------------|----|

### Controls and indicators

|                        |    |
|------------------------|----|
| Motor drive integrated | no |
|------------------------|----|

### Main electrical features

|                              |           |
|------------------------------|-----------|
| Frequency                    | 50/60 Hz  |
| Rated operational voltage Ue | 220/415 V |

### Voltage

|                                 |        |
|---------------------------------|--------|
| Rated insulation voltage        | 800 V  |
| Rated impulse withstand voltage | 8000 V |
| With under voltage release      | no     |

### Electric current

|  |       |
|--|-------|
| Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 | 40 kA |
| Rated service breaking capacity Ics AC according IEC 60947-2                 | 50 %  |
| Breaking capacity on 1 pole with 230 V NF 60947-2                            | 51 kA |
| Breaking capacity on 1 pole with 400 V NF 60947-2                            | 9 kA  |
| Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 | 85 kA |
| Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 | 85 kA |
| Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 | 40 kA |
| Rated ultimate short-circuit breaking capacity Icu under 440V AC IEC 60947-2 | 30 kA |
| Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2 | 4 kA  |
| Thermal protection nob setting xIN   | 1     |
| Thermal setting current on neutral pole                                      | 1 In  |

#### Current correction factors

|   |   |
|---|---|
| Correction factor of rating current for 2 devices placed 1 side-by-side     |   |
| Correction factor of rating current for 3 devices placed 1 side-by-side     |   |
| Correction factor of rating current for 4 and 5 devices placed side-by-side | 1 |
| Correction factor of rating current for 6 devices placed 1 side-by-side     |   |

#### Power

|                                       |      |
|---------------------------------------|------|
| Power loss per pole at I <sub>n</sub> | 16 W |
| Total power loss under I <sub>N</sub> | 48 W |

#### Tripping

|                               |       |
|-------------------------------|-------|
| Trip mode                     | TM    |
| Time of response when opening | 10 ms |

#### Endurance

|  |      |
|--|------|
| Electric endurance in number of cycles | 1000 |
| Number of mechanical operations        | 4000 |

#### Installation, mounting

|   |       |
|---|-------|
| Tightening torque                       | 12 Nm |
| DIN rail mounting with optional adaptor | yes   |

#### Connection

|   |                          |
|---|--------------------------|
| Connection cross-sect. rigid cable        | 35 / 185 mm <sup>2</sup> |
| Connection cross-sect. flexible conductor | 35 / 150 mm <sup>2</sup> |
| Connection                                | Front connection         |
| Type of connection                        | Terminal                 |

#### Settings

|   |                |
|---|----------------|
| Magnetic protection nob setting xI <sub>N</sub> | 10             |
| Setting type I <sub>n</sub> or I <sub>th</sub>  | I <sub>N</sub> |
| Range of the magnetic adjustment                | 2750 A         |

#### Equipment

|                      |     |
|----------------------|-----|
| Motor drive optional | yes |
|----------------------|-----|

#### Use cases

|                 |   |
|-----------------|---|
| Category of use | A |
|-----------------|---|

#### Standards

|                         |               |
|-------------------------|---------------|
| Standard text           | IEC 60947-2   |
| European directive WEEE | not concerned |

#### Safety

|                     |      |
|---------------------|------|
| Protection index IP | IP4X |
|---------------------|------|

**Use conditions**

|                         |                  |
|-------------------------|------------------|
| Altitude                | 2000 m           |
| Storage temperature     | -35 to 70 °C     |
| Air humidity protection | for all climates |

Supplied by Digital Stout Innovation & Trading FZE UAE