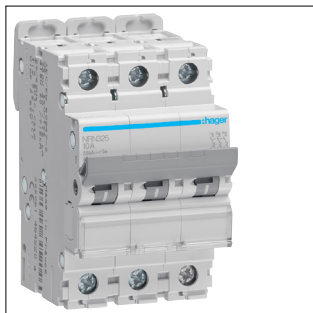




NRN325

### MCB 3P 25kA C-25A 3M

#### Technical Features

##### Electric current

|                                                                                    |         |
|------------------------------------------------------------------------------------|---------|
| Rated current $I_N$                                                                | 25 A    |
| Rated service breaking capacity $I_{cs}$ under 230 V AC according to IEC 60947-2   | 15 kA   |
| Rated ultimate short-circuit breaking capacity $I_{cu}$ AC IEC 60947-2             | 25 kA   |
| Rated ultimate short-circuit breaking capacity $I_{cu}$ under 400 V AC IEC 60947-2 | 25 kA   |
| Rated current at $-15^\circ\text{C}$                                               | 30.79 A |
| Rated current at $-10^\circ\text{C}$                                               | 30.15 A |
| Rated current at $-5^\circ\text{C}$                                                | 29.51 A |
| Rated current at $0^\circ\text{C}$                                                 | 28.86 A |
| Rated current at $5^\circ\text{C}$                                                 | 28.22 A |
| Rated current at $10^\circ\text{C}$                                                | 27.58 A |
| Rated current at $15^\circ\text{C}$                                                | 26.93 A |
| Rated current at $20^\circ\text{C}$                                                | 26.29 A |
| Rated current at $25^\circ\text{C}$                                                | 25.64 A |
| Rated current at $30^\circ\text{C}$                                                | 25 A    |
| Rated current at $35^\circ\text{C}$                                                | 24.36 A |
| Rated current at $40^\circ\text{C}$                                                | 23.71 A |
| Rated current at $45^\circ\text{C}$                                                | 23.07 A |
| Rated current at $50^\circ\text{C}$                                                | 22.43 A |
| Rated current at $55^\circ\text{C}$                                                | 21.78 A |
| Rated current at $60^\circ\text{C}$                                                | 21.14 A |
| Rated current at $65^\circ\text{C}$                                                | 20.49 A |
| Rated current at $70^\circ\text{C}$                                                | 19.85 A |
| Rated ultimate short-circuit breaking capacity $I_{cu}$ under 230 V AC IEC 60947-2 | 50 kA   |

##### Architecture

|              |    |
|--------------|----|
| Type of pole | 3P |
| Curve        | C  |

##### Capacity

|                   |   |
|-------------------|---|
| Number of modules | 3 |
|-------------------|---|

##### Installation, mounting

|                                         |                |
|-----------------------------------------|----------------|
| Nominal tightening torque top terminal  | 2.80 - 2.80 Nm |
| Nominal tightening torque down terminal | 2.80 - 2.80 Nm |

##### Voltage

|                                           |             |
|-------------------------------------------|-------------|
| Rated operational voltage $U_e$           | 230 - 415 V |
| Type voltage supply                       | AC          |
| Rated insulation voltage $U_i$            | 500 V       |
| Rated impulse withstand voltage $U_{imp}$ | 6000 V      |

##### Frequency

|           |            |
|-----------|------------|
| Frequency | 50 - 60 Hz |
|-----------|------------|

##### Connection

|                                                                        |                        |
|------------------------------------------------------------------------|------------------------|
| Cross-section of input and output with screws, for massive conductors  | 1 - 35 mm <sup>2</sup> |
| Cross-section of input and output with screws, for flexible conductors | 1 - 25 mm <sup>2</sup> |
| Cross-section of input with screws, for flexible conductors            | 1 - 25 mm <sup>2</sup> |
| Cross-section of input with screws, for massive conductors             | 1 - 35 mm <sup>2</sup> |

##### Installation, mounting

|                                               |                |
|-----------------------------------------------|----------------|
| Nominal tightening torque                     | 2.80 - 2.80 Nm |
| Type of bottom connection for modular devices | biconnect      |
| Type of top connection for modular devices    | Screw terminal |
| 360° mounting position possible               | Yes            |

##### Safety

|                               |      |
|-------------------------------|------|
| Ingress Protection (IP) class | IP20 |
|-------------------------------|------|

**Safety**

|               |       |
|---------------|-------|
| Grid distance | 60 mm |
|---------------|-------|

**Use conditions**

|                                                          |                  |
|----------------------------------------------------------|------------------|
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2                |
| Class of energy limitation I <sup>2</sup> t              | 3                |
| Air humidity protection                                  | For all climates |
| Operating temperature                                    | -25 - 70 °C      |

**Power**

|                         |      |
|-------------------------|------|
| Power dissipation at IN | 11 W |
|-------------------------|------|

**Connectivity**

|                                               |                  |
|-----------------------------------------------|------------------|
| Type of connection                            | Screw terminal   |
| Top connection alignment for modular devices  | Aligned terminal |
| Down connection alignment for modular devices | Aligned terminal |

**Dimensions**

|        |          |
|--------|----------|
| Height | 83 mm    |
| Width  | 52.50 mm |
| Depth  | 70 mm    |

**Sustainability**

|              |     |
|--------------|-----|
| RoHS conform | Yes |
|--------------|-----|

**Illustrations | Drawings**

