



NFT716

### MCB 1P+N 6/10kA C-16A 1M

#### Technical Features

##### Architecture

Type of pole	1P+N
Curve	C

##### Electric current

Rated current	16 A
Rated service breaking capacity Ics AC according to IEC 60898-1	6 kA
Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1	6 kA
Min./max. threshold value of the AC thermal operation	1.13 - 1.45 A
Min./max. threshold value of the DC thermal operation	0 - 0 A
Rated current -25°C	19.41 A
Rated current at -20°C	19.12 A
Rated ultimate short-circuit breaking capacity Icu under 230 V AC IEC 60947-2	10 kA
Rated current -15°C	18.84 A
Rated current -10°C	18.54 A
Rated current -5°C	18.25 A
Rated current at 0°C	17.94 A
Rated current 5°C	17.63 A
Rated current 10°C	17.32 A
Rated current 15°C	17 A
Rated current at 20°C	16.67 A
Rated current 25°C	16.34 A
Rated current 30°C	16 A
Rated current 35°C	15.75 A
Rated current at 40°C	15.50 A
Rated current at 45°C	15.25 A
Rated current at 50°C	14.99 A
Rated current 55°C	14.72 A
Rated current 60°C	14.45 A
Correction factor of rating current for 2 devices placed side by side	0.95
Correction factor of rating current for 3 devices placed side by side	0.95
Correction factor of rating current for 4 and 5 devices placed side by side	0.90
Correction factor of rating current for 6 devices placed side by side	0.85

##### Main electrical attributes

Rated short-circuit breaking capacity Icn AC according to IEC 60898-1	6 kA
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##### Voltage

Rated operational voltage Ue	230 - 240 V
Type voltage supply	AC
Rated insulation voltage Ui	500 V
Rated impulse withstand voltage Uimp	4000 V
Max. operating voltage	253 V

##### Frequency

Frequency	50 - 60 Hz
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##### Capacity

Number of modules	1
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##### Installation, mounting

Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	Screw terminal
Nominal tightening torque	1.90 - 1.90 Nm

##### Power

Total power loss under IN	3.80 W
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**Use conditions**

Operating temperature	-25 - 60 °C
Max. Altitude	2000 m

**Endurance**

Electric endurance in number of cycles	4000
Number of mechanical operations	20000

**Safety**

Ingress Protection (IP) class	IP20
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**Connectivity**

Type of connection	Screw terminal
Top connection alignment for modular devices	Shifted terminal
Down connection alignment for modular devices	Shifted terminal

**Dimensions**

Height	84.70 mm
Width	17.70 mm
Depth	70 mm

**Sustainability**

RoHS conform	Yes
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**Illustrations | Drawings**

