



NFT720

**MCB 1P+N 6/10kA C-20A 1M**

**Technical Features**

**Architecture**

Type of pole	1P+N
Curve	C

**Electric current**

Rated current	20 A
Rated service breaking capacity Ics AC according to IEC 60898-1	6 kA
Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	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	24.35 A
Rated current at -20°C	23.99 A
Rated ultimate short-circuit breaking capacity Icu under 230 V AC IEC 60947-2	10 kA
Rated current -15°C	23.62 A
Rated current -10°C	23.25 A
Rated current -5°C	22.87 A
Rated current at 0°C	22.48 A
Rated current 5°C	22.09 A
Rated current 10°C	21.69 A
Rated current 15°C	21.28 A
Rated current at 20°C	20.86 A
Rated current 25°C	20.44 A
Rated current 30°C	20 A
Rated current 35°C	19.68 A
Rated current at 40°C	19.35 A
Rated current at 45°C	19.01 A
Rated current at 50°C	18.67 A
Rated current 55°C	18.33 A
Rated current 60°C	17.97 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	3.30 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
Grid distance	60 mm

**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**

