



NFT740

### MCB 1P+N 6/10kA C-40A 1M

#### Technical Features

##### Architecture

Type of pole	1P+N
Curve	C

##### Electric current

Rated current	40 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	46.44 A
Rated current at -20°C	45.90 A
Rated ultimate short-circuit breaking capacity Icu under 230 V AC IEC 60947-2	10 kA
Rated current -15°C	45.34 A
Rated current -10°C	44.78 A
Rated current -5°C	44.22 A
Rated current at 0°C	43.64 A
Rated current 5°C	43.06 A
Rated current 10°C	42.46 A
Rated current 15°C	41.86 A
Rated current at 20°C	41.25 A
Rated current 25°C	40.63 A
Rated current 30°C	40 A
Rated current 35°C	39.56 A
Rated current at 40°C	39.11 A
Rated current at 45°C	38.66 A
Rated current at 50°C	38.20 A
Rated current 55°C	37.73 A
Rated current 60°C	37.26 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	8.30 W
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# Product Datasheet

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<b>Use conditions</b>	
Operating temperature	-25 - 60 °C
Max. Altitude	2000 m
<b>Endurance</b>	
Electric endurance in number of cycles	4000
Number of mechanical operations	20000
<b>Safety</b>	
Ingress Protection (IP) class	IP20
Grid distance	60 mm
<b>Connectivity</b>	
Type of connection	Screw terminal
Top connection alignment for modular devices	Shifted terminal
Down connection alignment for modular devices	Shifted terminal
<b>Dimensions</b>	
Height	84.70 mm
Width	17.70 mm
Depth	70 mm
<b>Sustainability</b>	
RoHS conform	Yes