

**Moulded Case Circuit Breaker h3 x630 LSnl Fixed 3P3D 500A 40kA FTC**

**Technical Features**

**Electric current**

Rated current	500 A
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 230 V AC IEC 60947-2	70 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2	70 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 400 V AC IEC 60947-2	40 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 415 V AC IEC 60947-2	40 kA
Breaking capacity on 1-pole for AC 230 V IEC 60947-2	10 kA
Breaking capacity on 1-pole for AC 400 V IEC 60947-2	10 kA

**Architecture**

Number of poles	3
Control/operation element	Toggle
Device construction type	Fixed built-in
Neutral position	Without neutral

**Tripping**

Response time when opening	10 ms
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**Electric current**

Rated service breaking capacity I <sub>cs</sub> under 230 V AC according to IEC 60947-2	70 kA
Rated service breaking capacity I <sub>cs</sub> under 400 V AC according to IEC 60947-2	40 kA
Rated current 10°C according to IEC 60947	500 A
Rated current 15°C according to IEC 60947	500 A
Rated current 20°C according to IEC 60947	500 A
Rated current 25°C according to IEC 60947	500 A
Rated current 30°C according to IEC 60947	500 A
Rated current at 35°C according to IEC 60947	500 A
Rated current at 40°C according to IEC 60947	500 A
Rated current 45°C according to IEC 60947	500 A
Rated current 50°C according to IEC 60947	500 A
Rated current 55°C according to IEC 60947	500 A
Rated current at 60°C according to IEC 60947	500 A
Rated current 65°C according to IEC 60947	500 A
Rated current 70°C according to IEC 60947	500 A

**Settings**

I <sub>r1</sub> current dial setting	500 A
Adjustment range short-term delayed short-circuit release	5000 - 5000 A

**Frequency**

Frequency	50 - 60 Hz
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**Installation, mounting**

Nominal tightening torque	18 - 18 Nm
Mounting-/Connection Position	Front

**Voltage**

Rated impulse withstand voltage U <sub>imp</sub>	8000 V
Rated insulation voltage U <sub>i</sub>	800 V
Rated operational voltage U <sub>e</sub>	220 - 415 V

**Functions**

Trip unit	LSNI
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**Power**

Total power loss under I <sub>N</sub>	120 W
Power loss per pole at I <sub>N</sub>	40 W

#### Equipment

Number of auxiliary contacts as change-over contact	0
Number of auxiliary contacts as normally closed contact	0
Number of auxiliary contacts as normally open contact	0

#### Safety

Ingress Protection (IP) class	IP4X
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#### Use conditions

Operating temperature	-25 - 70 °C
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#### Connection

Connector/plug type	Terminal
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#### Cable

Cable material	Copper Aluminium
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#### Dimensions

Height	260 mm
Width	140 mm
Depth	150 mm

#### Controls and indicators

Motor drive integrated	No
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#### Compatibility

Suitable for DIN Rail	No
Compatible with RDC AOB	Yes
Suitable for distribution board	Yes

#### Power supply

Position power supply	Bidirectional
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#### Electrical protection

Long-time overload protection (ltd): delay (tr)	5 s
Short-time protection (std): current (Isd)	10
Short-time protection (std): delay (tsd)	100 ms
Instantaneous protection (li): dial setting coefficient	1