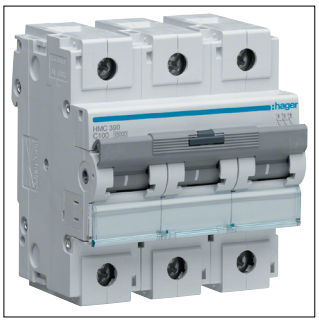
Product Datasheet
HMC390



HMC390

MCB 3P 15kA C-100A 4.5M

Technical Features

Architecture

Type of pole	3P
Curve	C

Voltage

Rated operational voltage Ue	415 - 415 V
Type voltage supply	AC
Rated insulation voltage Ui	500 V
Rated impulse withstand voltage Uimp	6000 V

Frequency

Frequency	50 - 60 Hz

Installation, mounting

Nominal tightening torque	3.5 - 5.0 Nm
Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	Screw terminal

Electric current

Rated current	100 A
Rated service breaking capacity Ics AC according to IEC 60898-1	7.50 kA
Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1	15 kA
Rated ultimate short-circuit breaking capacity Icu under 230 V AC IEC 60947-2	15 kA
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	15 kA
Rated current at 0°C	124 A
Rated current 5°C	120 A
Rated current 10°C	116 A
Rated current 15°C	112 A
Rated current at 20°C	108 A
Rated current 25°C	104 A
Rated current 30°C	100 A
Rated current 35°C	96.60 A
Rated current at 40°C	93.10 A
Rated current at 45°C	89.40 A
Rated current at 50°C	85.60 A
Rated current 55°C	81.60 A
Rated current 60°C	77.50 A

Main electrical attributes

Rated short-circuit breaking capacity Icn AC according to IEC 60898-1	15 kA

Installation, mounting

Nominal tightening torque down terminal	3.60 - 3.60 Nm
Nominal tightening torque top terminal	3.60 - 3.60 Nm

Safety

Ingress Protection (IP) class	IP20

Power

Total power loss under IN	21.66 W

Endurance

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

Connection

Cross-section of input and output with screws, for massive conductors	1 - 70 mm^2
Cross-section of input and output with screws, for flexible conductors	1 - 50 mm^2

Connection

Cross-section flexible conductor	50 mm²
Cross-section rigid conductor	70 mm²

Use conditions

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

Capacity

Number of modules	4.50

Connectivity

Top connection alignment for modular devices	Aligned terminal
Down connection alignment for modular devices	Aligned terminal

Dimensions

Height	90 mm
Width	80 mm
Depth	70 mm

Sustainability

REACh-SVHC free	Yes
RoHS conform	Yes

Illustrations | Drawings