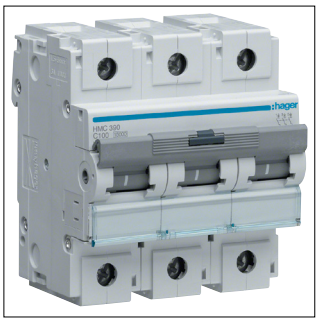
Product Datasheet
HMC390



HMC390

MCB 3P 15kA C-100A 4.5M

Technical Features

Electric current	
Rated current IN	100 A
Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1	30 kA
Rated ultimate short-circuit breaking capacity Icu 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 -15°C	131.05 A
Rated current at -10°C	127.6 A
Rated current at -5°C	124.15 A
Rated current at 0°C	120.7 A
Rated current at 5°C	117.25 A
Rated current at 10°C	113.8 A
Rated current at 15°C	110.35 A
Rated current at 20°C	106.9 A
Rated current at 25°C	103.45 A
Rated current at 30°C	100 A
Rated current at 35°C	96.55 A
Rated current at 40°C	93.1 A
Rated current at 45°C	89.65 A
Rated current at 50°C	86.2 A
Rated current at 55°C	82.75 A
Rated current at 60°C	79.3 A
Rated current at 65°C	75.85 A
Rated current at 70°C	72.4 A
Rated short-circuit breaking capacity Icn under 400 V AC according to IEC 60898-1	15 kA
Architecture	
Type of pole	3P
Electric current	
Rated service breaking capacity Ics AC according to IEC 60947-2	50 %
Rated service breaking capacity Ics AC according to IEC 60898-1	7.5 kA
Rated ultimate short-circuit breaking capacity Icu under 230 V AC IEC 60947-2	30 kA
Architecture	
Curve	C
Capacity	
Number of modules	4.50
Main electrical attributes	
Rated short-circuit breaking capacity Icn AC according to IEC 60898-1	15 kA
Installation, mounting	
Nominal tightening torque top terminal	3.60 - 3.60 Nm
Nominal tightening torque down terminal	3.60 - 3.60 Nm
Nominal tightening torque	3.5 - 5.0 Nm
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
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 of input with screws, for flexible conductors	1 - 50 mm²
Cross-section of input with screws, for massive conductors	1 - 70 mm²
Cross-section flexible conductor	50 mm²
Cross-section rigid conductor	70 mm²

Installation, mounting

Type of bottom connection for modular devices	Screw terminal
Type of top connection for modular devices	Screw terminal
360° mounting position possible	Yes

Safety

Ingress Protection (IP) class	IP20
Grid distance	110 mm

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

Power

Power dissipation at IN	21.66 W

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

