



HLF290S

MCB 2P 10kA C-100A 3M

Technical Features

Architecture

Type of pole	2P
Curve	C

Voltage

Rated operational voltage U_e	415 - 415 V
Type voltage supply	AC
Rated insulation voltage U_i	500 V
Rated impulse withstand voltage U_{imp}	6000 V

Frequency

Frequency	50 - 60 Hz
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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 I_{cs} AC according to IEC 60898-1	7.50 kA
Rated short-circuit breaking capacity I_{cn} under 230 V AC according to IEC 60898-1	10 kA
Rated ultimate short-circuit breaking capacity I_{cu} under 230 V AC IEC 60947-2	10 kA
Rated ultimate short-circuit breaking capacity I_{cu} under 400 V AC IEC 60947-2	10 kA

Main electrical attributes

Rated short-circuit breaking capacity I_{cn} AC according to IEC 60898-1	10 kA
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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
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Power

Total power loss under I_N	16.33 W
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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
Cross-section flexible conductor	50 mm ²
Cross-section rigid conductor	70 mm ²

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	3
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Connectivity

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

Product Datasheet

HLF290S

Dimensions		
Height		90 mm
Width		53 mm
Depth		70 mm
Sustainability		
REACH-SVHC free		Yes
RoHS conform		Yes