Product Data Sheet

New range of 80 –125 A MCBs

Launch objective

The HLF & HMC series of 80 –125 A MCB with better features and improved aesthetics would replace the existing NM series.

- The new range of product complies with the current Hager design and specifications such as shape, marking and FPL and ensures a perfect integration with the modern Hager modular components.
- Extended range with higher breaking capacity (15 KA as per IEC 947-2).

Standards:

- Conforms to standard IEC 60898 and IEC 947-2.

Technical specifications:

- Operating Voltage:
  - 240 / 415 V AC – Single pole
  - 415 V AC – Multi pole

- Current ratings:
  - 80 A / 100 A / 125 A.

- Pole configuration:
  - 1P / 2P / 3P / 4P

- Tripping curve characteristics:
  - B / C/ D

- Breaking Capacity as per IEC 947-2:
  - 10 KA for HLF series
  - 15 KA for HMC series

- Electrical endurance:
  - 4000 cycles

- Operating frequency:
  - 50 / 60 Hz

- IP class: IP 2X

- Terminals:
  - Cage terminals suitable for 35 sq. mm (flexible cable) & 70 sq. mm (rigid)

- Thermal calibration:
  - +40* C as per IEC 947-2

- Operating temperature:
  - –5* C to + 60* C

Range

Old	New	Breaking capacity	Curve	Pole	Current rating A
NM180	HLF180S	10 KA	C	1	80
NM184	HLF190S				100
NM190	HLF199S				125
NM280	HLF280S			2	80
NM284	HLF290S				100
NM290	HLF299S				125
NM380	HLF380S			3	80
NM384	HLF390S				100
NM390	HLF399S				125
NM480	HLF480S			4	80
NM484	HLF490S				100
NM490	HLF499S				125

Reference	Breaking capacity	Curve	Pole	Current rating A
HMC180	15 KA	C	1	80
HMC190				100
HMC199				125
HMC280			2	80
HMC290				100
HMC299				125
HMC380			3	80
HMC390				100
HMC399				125
HMC480			4	80
HMC490				100
HMC499				125

Main evolution / USPs:

- Tightening compensation system ensures that the cable tightness remains the same with time – in HMC series.
- Serrations on cable jaw for better grip on the cable.
- Pad lockable handle – in HMC series.
- Fast on connection to supply low powered auxiliaries like UV, Shunt….
- Front product labelling for circuit identification.
- IP2X protection.
- Very low power loss – 5.5 W for 100 A.