

Moulded case circuit breakers h1600,**Electronic trip unit LSI:**

- long delay (thermal equivalent) adjustable:
 $I_r = 0.4$ to $1 \times I_n$
- short delay (magnetic equivalent) adjustable:
 2.5 to $10 \times I_r$
- time delay: 0.1 - 0.2 s

3 pole - 3 trip units,
4 pole - 4 trip units,
(adjustable neutral 0 - 50% - 100%) Mechanical test button,
lockable settings.

Connection:

Directly on copper cable terminal,
with end lug max. width: 60mm

Comply with IEC 60947-2.



HNF990U

description	Characteristics	In	Cat ref.	
			3P	4P*
MCCBs h1600 50kA LSI	breaking capacity Icu: 50 kA (400/415 V AC) Ics: 50 kA	500 - 1250A	HNF980U	HNF981U
	adjustable thermal $I_r = 0.4$ to $1 \times I_n$ adjustable magnetic 2.5 to $10 \times I_r$ time delay: 0.1 - 0.2 s	640 - 1600A	HNF990U	HNF991U
	neutral setting 0, 50, 100%			
MCCBs h1600 70kA LSI	breaking capacity Icu: 70 kA (400/415 V AC) Ics: 50 kA	500 - 1250A	HEF980U	HEF981U
	adjustable thermal $I_r = 0.4$ to $1 \times I_n$ adjustable magnetic 2.5 to $10 \times I_r$ time delay: 0.1 - 0.2 s	640 - 1600A	HEF990U	HEF991U
	neutral setting from 0, 50, 100%			

Indication contacts

- 1 changeover switch (ON/OFF): indicates the position of the MCCB is "open" or "closed".
- 1 changeover alarm contact: indicates MCCB tripping.

Coil connection

Connection capacity:
0.75mm² flexible or rigid cables

Optional connection cables. The cable capacity of the terminals is 0.5 to 1.25mm².

Shunt trip

Remotes tripping of MCCBs.
Operating voltage: 0.7 to 1.1 x Un

Under voltage release

Allows the tripping of MCCBs when voltage level drop between 35 and 70% of Un. Pick up voltage 0.85 x Un.

Direct rotary handle

- padlockable
- equipped with front cover and handle
- fixing without any additional screw.

Extended rotary handle

- IP 55
- supplied complete with shaft and handle.

Rear connection: included



HXC021H

HXC024H



HXC004H



HXE014H

description	Characteristics	Pole	Cat ref.
Auxiliary contacts AX AL	1 changeover contact 250 V AC / 3A 125 V DC / 0,4A 1 NO + 1 NC		HXC021H
	1 changeover alarm contact 250 V AC / 3A 125 V DC / 0,4A 1 NO + 1 NC		HXC024H
Shunt trips SH	24 V DC		HXC001H
	48 V DC		HXC002H
	100 - 120 V AC		HXC003H
	200 - 240 V AC		HXC004H
	380 - 450 V AC		HXC005H
Undervoltage releases UV	24 V DC		HXE011H
	100 - 120 V AC		HXE013H
	200 - 240 V AC		HXE014H
	380 - 450 V AC		HXE015H
Direct rotary handles	padlockable handle max Ø 6 mm		HXF030H
Extended rotary handles	padlockable handle max Ø 8 mm 200 mm		HXF031H
Padlocks	to mount on MCCBs for handle locking for 3 padlock max Ø 8 mm		HXF039H
Motor operators	24 V DC		HXF040H
	200 - 230 V AC		HXF042H
Interphase barriers	3/4 P		HYF019H
Interlock	walking beam type SEESAW	3P	HXF063H
		4P	HXF064H