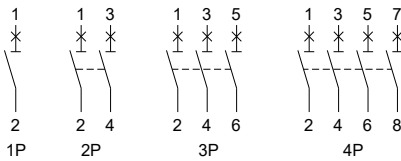


G06 series 6kA MCB

Thermal magnetic miniature circuit breaker



General Information

The Lewden range of circuit protection devices are designed and tested for use with Lewden branded distribution boards.

This device must be installed by a qualified electrician in accordance with the latest edition of the IET wiring regulations for electrical installations BS7671.

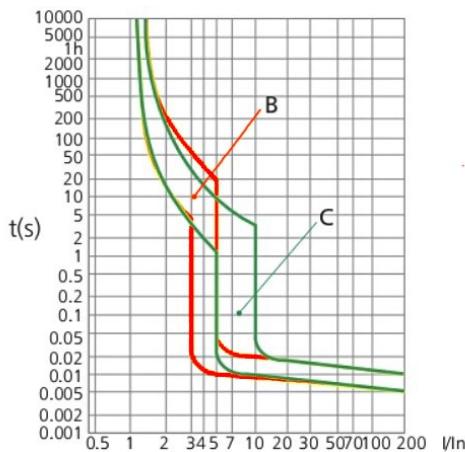
The G06 range of distribution circuit breakers provide a means of automatic disconnection of the electrical circuit in the event of overcurrent faults caused due to overload or short circuit.

Devices are available in 1,2,3, & 4 pole variants, and are designed and tested for use with Lewden single or 3 phase distribution boards. All poles feature overcurrent protection.

Ordering Codes								
Current rating	B Trip Curve				C Trip Curve			
	1 pole	2 poles	3 poles	4 poles	1 pole	2 poles	3 poles	4 poles
6A	G06-1B06	G06-2B06	G06-3B06	G06-4B06	G06-1C06	G06-2C06	G06-3C06	G06-4C06
10A	G06-1B10	G06-2B10	G06-3B10	G06-4B10	G06-1C10	G06-2C10	G06-3C10	G06-4C10
16A	G06-1B16	G06-2B16	G06-3B16	G06-4B16	G06-1C16	G06-2C16	G06-3C16	G06-4C16
20A	G06-1B20	G06-2B20	G06-3B20	G06-4B20	G06-1C20	G06-2C20	G06-3C20	G06-4C20
25A	G06-1B25	G06-2B25	G06-3B25	G06-4B25	G06-1C25	G06-2C25	G06-3C25	G06-4C25
32A	G06-1B32	G06-2B32	G06-3B32	G06-4B32	G06-1C32	G06-2C32	G06-3C32	G06-4C32
40A	G06-1B40	G06-2B40	G06-3B40	G06-4B40	G06-1C40	G06-2C40	G06-3C40	G06-4C40
50A	G06-1B50	G06-2B50	G06-3B50	G06-4B50	G06-1C50	G06-2C50	G06-3C50	G06-4C50
63A	G06-1B63	G06-2B63	G06-3B63	G06-4B63	G06-1C63	G06-2C63	G06-3C63	G06-4C63

Technical Data	
Reference standard	IEC /BS EN60898-1
Rated Voltage (Ue)	230-400V ac
Rated Current (In)	6-63A
Rated Frequency (Fn)	50/60Hz
Rated short circuit capacity	6kA
Energy limiting class	3
Rated impulse withstand (Uimp)	4kV
Tripping Characteristic	B or C
Terminals line/load	1-16mm ²
Terminal tightening torque	2.5Nm
Operating temperature	-5 to +40°C
Reference calibration temp.	+30°C

Tripping characteristics



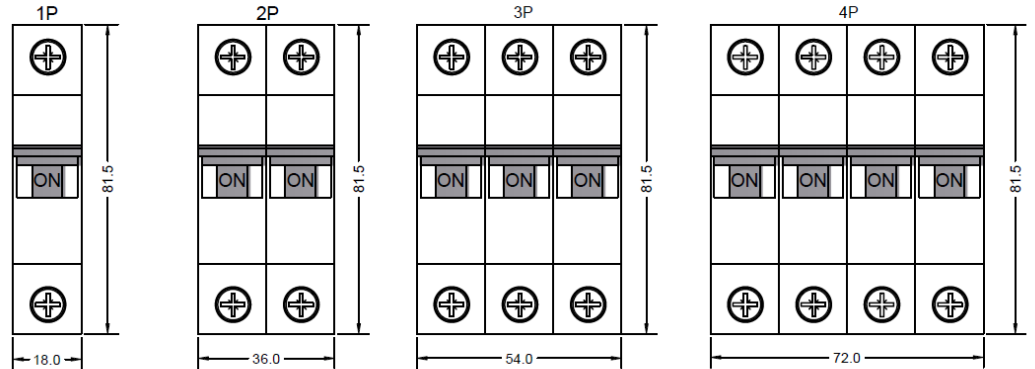
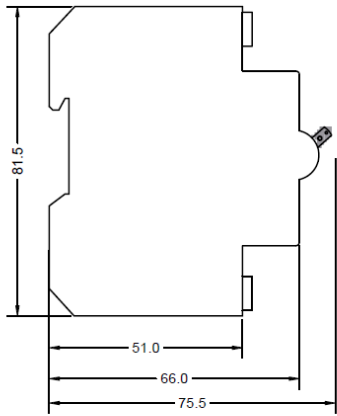
Trip Curve	Multiple of rated current
B	3-5x In
C	5-10x In

Flag Colour	Circuit Breaker Position
Red	Closed
Green	Open

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Dimensions



Power losses

Current rating (In)	Trip curve	Resistance mΩ	Power Loss per pole (W)
6A	B / C	28.8	1.03
10A	B / C	14.3	1.43
16A	B / C	7.5	1.92
20A	B / C	7.9	3.16
25A	B / C	5.5	3.43
32A	B / C	3.3	3.37
40A	B / C	2.9	4.64
50A	B / C	2.0	5.0
63A	B / C	1.3	5.2

Testing of the installation

After completion of the installation, it is essential that it is tested in accordance with the latest edition of the IET wiring regulations for electrical installations (BS7671)

What to do if an MCB trips

Reset tripped MCB to the ON position. If device trips again, disconnect all appliances connected to this circuit. Switch MCB ON and safely connect appliances one at a time to identify which one trips the device.

In all cases, once the faulty appliance has been identified, do not continue to use the item until it has been checked.

If fault persists, call a qualified electrician to check the installation.