

LM12 Series Moulded Case Circuit Breaker

It has arrived, our new homogenous circuit-breaker series

The LONGJING principle of innovation and future security of investment has been implemented by the new circuit-breaker series up to 1600A.



LM12-125

Four switches with four levels of switching capacity

Four switches with four universal levels of switching capacity form a comprehensive range, from the competitively priced 25kA for small sub-distribution boards, up to 150kA switching capacity for complex high-power systems. The compact construction of the new small 160A switch saves space as a main switch in machine control schemes, as an incomes in service distribution boards or as an outgoer in power distribution boards. Additional device levels are 300A, the particularly compact 630A, and the large 1600A circuit-breaker.

Circuit-breaker	LM12-1	LM12-2	LM12-3	LM12-4
Short-circuit switching capacity $I_{cu}=L_{cs}$ at 415V				
25kA	X	X	X	X
36kA	X	X	X	X
50kA	X	X	X	X
100/150kA	X/-	X/-	X/-	X/-
Ranges of application, in A	25-160	32-300	125-630	315-1600
Number of poles	3	3	3	3
Rated voltage, in V	690	690	690	690
Overload releases				
Thermomagnetic	X	X	X	X
Electronic	-	X	X	X
Switch-disconnector	PN1/N1	PN2/N2	PN3/N3	N4
Ranges of application, in A	63-160	160-250	400-630	800-1600
Number of poles	3	3	3	3
Rated voltage, in V	690	690	690	690
Dimensions in mm				
Width	90/120	105/140	140/165	210/280
Height	145	184	275	401
Depth	68	103	120.5	138



LM12-250

The new range with its compact mounting form features consistency, with the same function, mounting and operation for switches and accessories.

All have different, competitively priced releases with thermostatic bimetals or communication-capable digital electronics for a wide range of protective tasks: Both for AC and DC voltage networks ranging from cable protection and motor/generator protection to transformer protection.

Applications such as main-, Emergency-Stop and coupling switches can be implemented via the switch-disconnectors up to 1600A.

Highest level of performance in a compact spacel

The circuit-breakers LM12-1 and LM12-2 can be loaded with up to 160A/300A rated current and safely switch off short-circuit currents up to 150KA even with their narrowest design.

Ideas for greater performance-the contact system, for example

Innovative switching technology with a double-break contact system speed up the switch process. In the event of a short circuit, the special shape and materials selected produce repelling magnet power that pushes the contacts apart in a fraction of a sine wave. Switching capacities up to 150KA and operational voltages up to 690V can be managed without difficulty. The simultaneous reduction in heat dissipation creates benefits for use in control panels.