

# Switch-on current limiter ESB 12

## ESB 12-G

in the connector casing  
with integrated earthed socket

## ESB 12-H

for DIN rail mounting  
for installation in switch cabinets  
or distributor boxes

Both versions are for consumers up to  
max. 2.7 kW corresponding to 12 A at  
230 V



ESB 12-G connector casing

### Application areas:

- Angle grinders
- Circular saws
- Vibrators
- Grinding machines
- Compressors
- Pumps
- Shredders etc.

Switch-on current surges, which are produced when switching on power tools, transformers or other large consumers, often inadvertently trigger fuse elements.

These switch-on current peaks are absorbed by our electronically controlled ESB 12 switch-on current limiter. The primary development objective was the real-life design of various output data, hence the extremely short reset time. After switching off the power tool, the switch-on current limiter is already active again within maximum 0.5 of a second.

Reset times of more than one minute must be reckoned with for other systems on the market which use an NTC as the damping element. This large time period where the consumer starts up without current limitation has not proved practical.

The ESB 12 should **not** be used for generators or voltage converters which cannot apply the starting current of the respective consumers such as, e.g. compressors, refrigerators or freezers.

# Switch-on current limiter ESB 12

## ESB 12-H

for DIN rail mounting  
for installation in switch cabinets  
or distributor boxes

### Application areas:

Fixed installation on DIN rails in  
switch cabinets, distributor boxes etc.

- Transformers
- Fluorescent lamps
- Halogen lamps etc.



ESB 12-H DIN rail variants

### Technical data for both versions

Connection voltage	230 V	
max. consumption	2.7 kW / 12 A	
Minimum connection consumption	> 100 Watt	
Reset time after triggering	< 0.5 s	
Casing	EBS 12-G	EBS 12-H
	Plastic black	Notched casing for 35 mm DIN rail
Dimensions in mm	110 x 68 x 53	113 x 78 x 48
Weight	0.270 kg	0.250 kg