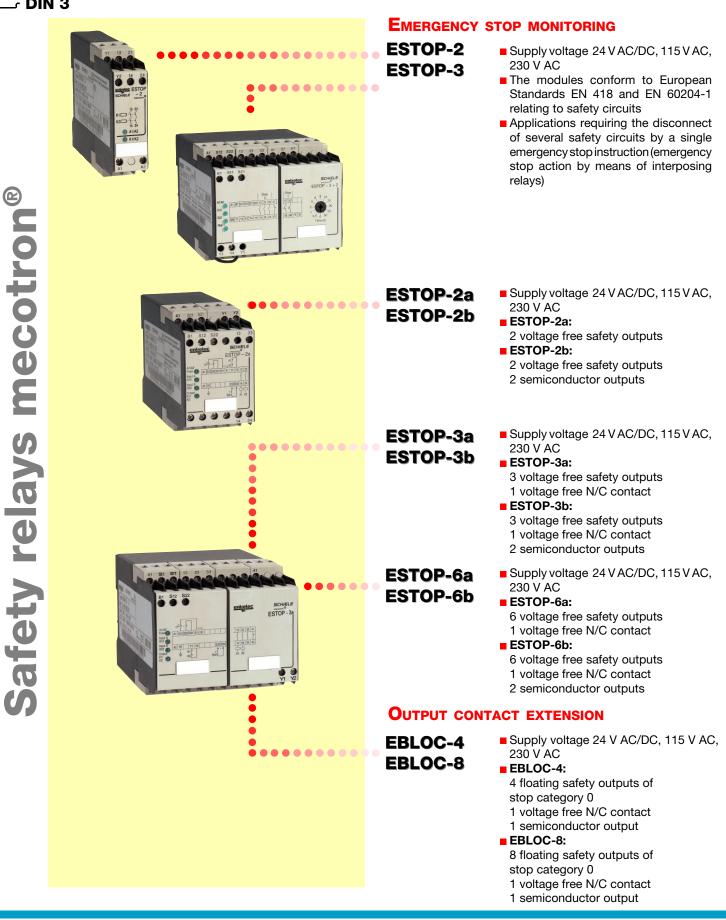


## **mecotron®** - SAFETY RELAYS

# Spacing 22.5 mm (7/8"), 45 mm (1.77") and 90 mm (3.54")

ு DIN 3

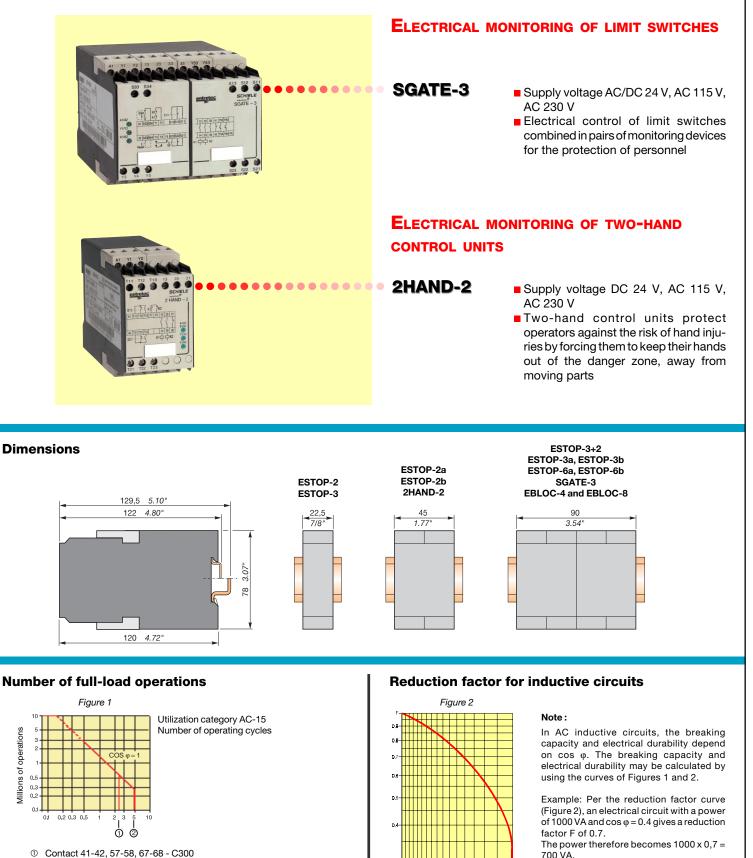


## **mecotron®** - SAFETY RELAYS

2 Contact 13 -14, 23-24, 33-34 - B300

# Spacing 22.5 mm (7/8"), 45 mm (1.77") and 90 mm (3.54")

- DIN 3



DEDS 0.7 DS 0.5 0.4

0.3 casa

1741

### **mecotron®** - SAFETY RELAYS

### **Cross short-circuit safety**

#### Definition

**Cross short-circuit safety** denotes the ability of monitoring modules to detect faults (caused by pinched cable, ground leakage, etc.) that can occur in the application being monitored and to prevent the release of the safety circuits until external faults have been removed.

On mecotron<sup>®</sup> (ESTOP ...) safety relays, which are designed to monitor EMERGENCY STOP, two-hand control units and safety gates, cross short-circuit safety is achieved by two-channel (redundant) wiring of EMERGENCY STOP control devices (see diagram below). The two EMERGENCY STOP channels are operated at different voltages; thus the units will detect excessive current flow between the two points and disconnect the release circuits.

#### **Cross short-circuit safety**

