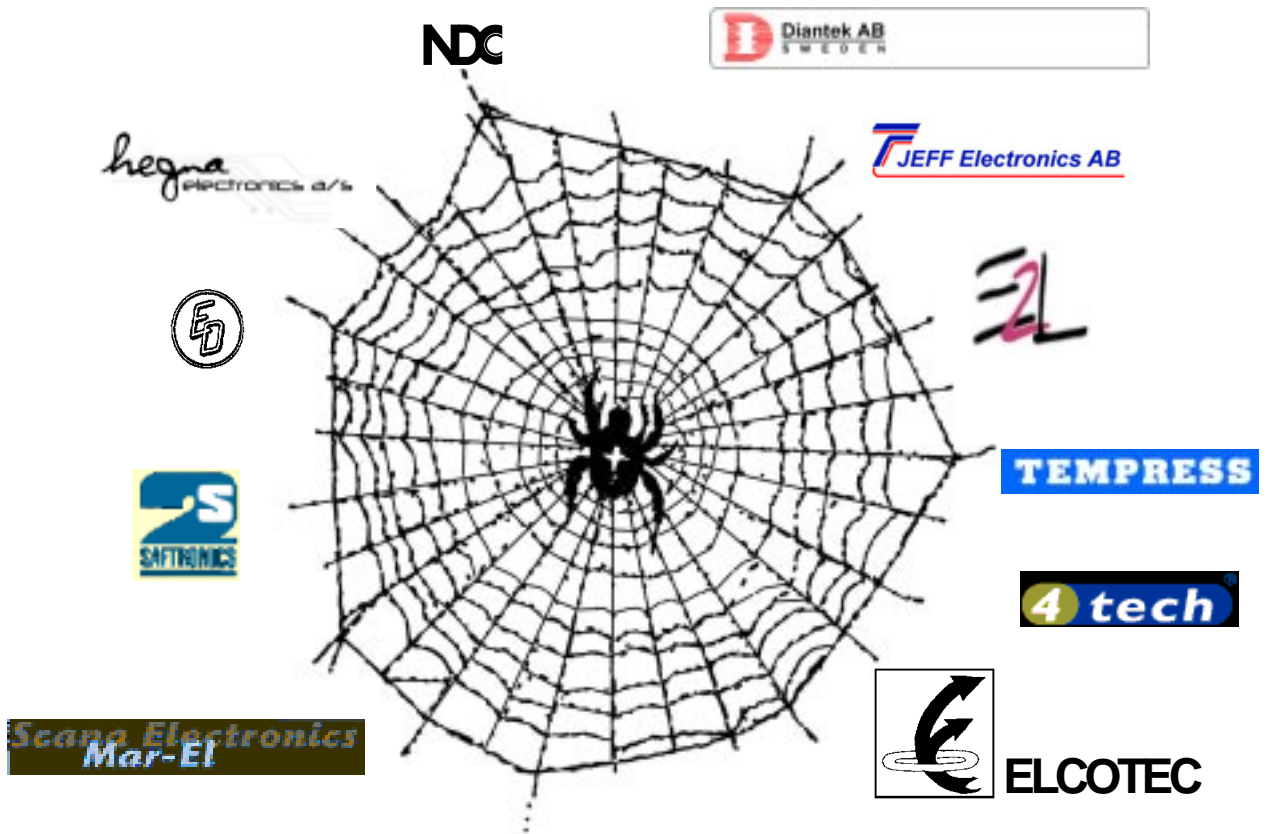


# IMSAB COMPONENT GUIDE for industry and shipping



## Electronic start/monitoring unit for 230V el-moto MS 230



# MS 230

## Electronic start/monitoring unit for 230V el-motor



- Pre connected cables
- Reduced purchasing cost
- Compact unit for installation in el-motor control cabinet.
- Indication trips
- Indication of alarm
- IP55
- Certificated in CE-standards EN 50 081-1 and EN 50 082-2

### DESIGN

MS 230 is a compact unit for installation in el-motor starter cabinet.

- To the MS 230 a remote unit can be connected. The remote unit can not operating if the local MS 230 is at Local mode. In the other hand are all indicators status shown at the remote unit.
- Press the start button at the panel, and the el-motor will start. Contactor K1 or the soft drive will activate the el-motor.
- Motor protection (JR) can be connected for avoid overloading.
- When a el-motor stand still, a heater can be connect. Emergency shutdown can be connected via contactor K2.

#### Indication:

Running, Fault, Available, Power, Local/Remote, Earth fault, Motor stand still heater control.

#### Digital input signals:

Main contactor status, Motor protection, Earth fault, and Emergency stop.

#### Digital output signals:

230VAC max 10A output signal for main contactor operation. Motor stand still heater.

#### Remote operation signals:

Start/Stop, Running, Available, Local/Remote mode.

### SECURITY

As all IMSAB-products MS 230 are fitted with various protection devices against wrong electrical connection and electric interference. The panel is powered directly from the LC supply, without requiring stabilization. The unit is in accordance with CE-standards: EN 50 082-2; EN 50 081-1; Test lab: NEMKO -Oslo

### INSTALLATION

Wiring - only 7 to 10 wires are to be connected in one end. Pre-wired wires are 1,5m and gives reduced purchasing and documen-tation cost. Same unit can be used regardless of motor size. Less commis-ning and start up costs. MS 230 can be used without no matter how big the motor is.

### SPECIFICATION

Supply voltage: 230VAC 50/60Hz; max 20mA  
 Output contacts (K1-K3): 230VAC max 10A.  
 Weight: 550g incl. wires.  
 Protection: Front IP55, RearIP20  
 Wires: length 2m  
 Ambient temperature: min -5°C max 60°C.  
 Hygroscopic moisture: max 80% not condensed.  
 Main dimension: 48x96x85 mm (hxbxd)  
 Panel recess: 44x92 mm  
 Text: English text, other text on request  
 Indicator: Twin LED  
 Red LED for unacknowledged alarm, Green LED for Running.

### ORDERING INSTRUCTIONS

MS 230 El-motor starter  
 Extra accessories:  
 Soft diver



## MS 230 CONNECTION DIAGRAM

Prewire wired  
from MS230

————— 12VDC White 0,5mm<sup>2</sup>  
————— 230VC Black 0,75mm<sup>2</sup>

