

MS 24

Compact electronic unit for start/stop/monitoring of EL-motor



- **Pre-connected cables**
- **Easy and cost effective installation**
- **Compact unit 48x96x135mm (HxWxD)**
- **Trip and status indication**
- **Monitor: I>/ I>>/ I^{EF}/ ESD**
- **Functions: start/stop/standstill heater on/off**
- **Modes: local/remote**
- **IP55**
- **CE-standards EN 50 081-1 and EN 50 082-2**

DESIGN

MS 24 is a compact unit for installation in el-motor starter cabinet.

-A motor can be remotely controlled via MS24 (See connection diagram). A remote unit cannot operate if the local MS 24 is at LOCAL MODE. However the status of all indicators are shown on the remote unit.

OPERATION / FUNCTIONS

- Select the operation modus, either LOCAL or REMOTE.
- Press the START button MS24 will activate the main contactor (K1). Auxiliary contact feedback from K1 will indicate that the motor is running
- To stop the motor press the STOP/RESET button
- The motor will trip by any of the following signals: Motor protection, earth fault and emergency stop. Reset trip by pressing the STOP/RESET button.
- Pressing the HEATER ON button activates the motor standstill heater. The standstill heater will be automatically switched off when the motor is restarted.
- Trip cased motor to stop can be reset by pressing the STOP/RESET button.

SECURITY

MS 24 is fitted with various protection devices against incorrect electrical connection and electric disturbance. CE tested according to EN 50 082-1; EN50 081-1

INSTALLATION

MS24 is delivered with pre-wired and marked cables, length 1,5m. Connection of 7 to 12 wires in one end is what is needed to complete an el-motor control circuit. MS 24 fits all sizes of el-motors. It can also be used with, for example, an el-motor soft drive.

INPUT / OUTPUT SIGNAL.

See MS24 Connection diagram below

TECHNICAL DATA.

Supply voltage:	24VDC 50mA
Out put to K1:	Volt free contact 10A230VAC
Out put to K3:	Powered from MS24 max. 35mA24VDC
Inputs:	24VDC powered by MS24
Outputs:	Powered from MS24, 24VDC
Protection:	Front IP55. Rear IP20
Wires.	Standard length 1,5m
Environment.:	-5 to +60C ⁰ Max 90% noncondensing
Dimension:	48x96x140mm (HxWxD)
Cut out:	48x92mm (HxW)