



SAD-03 soft-starter cabinet

Certificate: ATEX



Application:

The SAD-03 soft-starter cabinet is intended for use in potentially gas-explosive mines, for the remote control of electrical machines such as drive mechanisms. The SAD-03 is designed for connecting one device with a maximum power of 30kW. The SAD-03 is powered from the NRS-5-S contact cabinet. The SAD-03 has an I M2 Exd I solid enclosure.

Description:

SAD-03 is designed as a solid enclosure. The cabinet consists of instrumentation and terminal compartments.

The electrical and electronic equipment are located in the instrument compartment. The instrument compartment of the soft-starter cabinet contains the disconnecter, choke for the isolated status guard, the soft-starter and contactor bypass. The terminal compartment is designed as an Ex d solid enclosure. The Ex d terminal compartment contains screwless terminals for conductors with up to a 4 mm² cross-section. It also contains 6 screw terminals for connecting power conductors up to a cross-section of 120 mm². The SAD-03 terminal box contains 3 NV48 bushings.

The power supply to the SAD-03 comes from the NRS-5-S contactor cabinet to the disconnecter, where the voltage is conducted to the soft-starter and contactor bypass and from there to the output terminals.

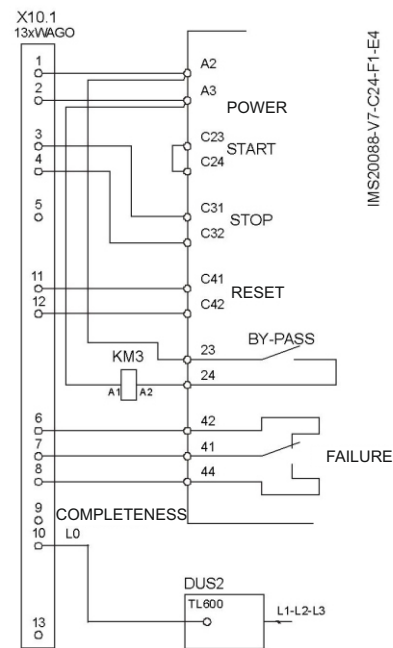
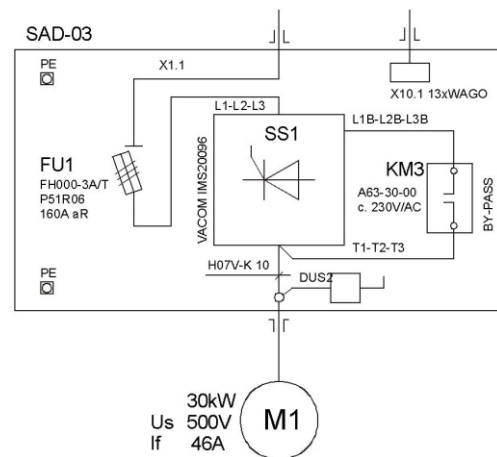
The soft-starter is switched on and off through the contactor cabinet. The soft-starter can be reset with the non-explosive button-type control connected to the SAD-03.

The customized equipment is operator-free. The soft-starter can be reset with the non-explosive button-type control connected to the SAD-03.

The equipment is attached to an appropriate structure with six M 10 screws.

Specifications:

Design	I M2 Ex d I
Voltage	500VAC
Current of the power part	46A
Cross-section of connected wires	control 0.2 to 4 mm ² power 6 to 120 mm ²
Temperature range	0 to 40 °C
Relative humidity (max.)	95% without condensation
Case	IP54
Dimensions	933 x 576 x 250 mm
Weight	110 kg
Weight of electronic equipment	8.5 kg



Schematic of SAD-03 connection

The catalogue has only those selected important parameters for your final decision. For project designs always ask for the user's guide for this product and any engineering consultation about possible uses.