

# KARLBORGS

## SM8X2M1 rev3

### Converter for Danfoss AK-SM 800 series

SM8X2M1 is a converter that exports live data from Danfoss AK-SM 800 series units to 3rd party systems (PLC, BMS, etc) over Modbus TCP and BACnet/IP.

#### Compatibility:

Danfoss: *AK-SM 800/800A Series  
Danfoss AK-SC 255/355*

Protocols: *Modbus TCP and BACnet/IP*

#### Technical Specification:

Ports: *4x Ethernet  
1x 4-pin power conn.*

Power Supply: *9-50 VDC*

Consumption *< 5.5 W*

Dimensions: *115x95.2x32.2 mm*

Mounting: *DIN-rail*

Enclosure: *Aluminium*

Certificates: *CE, FCC, RoHS*

#### Usage:

SM8X2M1 can either be connected to the same TCP/IP network as the AK-SM 800 and the 3rd party system or if needed the AK-SM may be connected directly to the SM8X2M1 (see *Topology* illustration below). The SM8X2M1 is configured to let WAN traffic on port 80 and 1041 go through to IP 10.0.0.100 on the LAN side, this way the AK-SM 800 will still be available from the WAN network.

There is a web GUI available both on the LAN and WAN side.

By connecting your PC to one of the LAN ports you may access the web GUI at <http://10.0.0.1:8080>

If accessed from the WAN network you should visit <http://ip-of-x2m1:8080>

The default login details are:

*Username: admin | Password: tcp502*

