

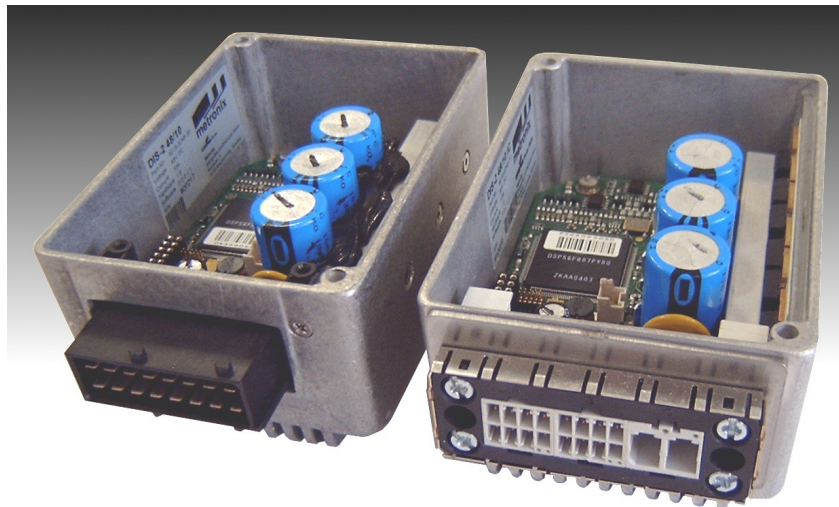
PRODUCT MEMO

DIS-2 48/10

Decentralized intelligent servo drive 48 VDC 10 A

The DIS-2 48/10 is a fully digital AC servo controllers for three-phase synchronous and PM DC motors with a supply voltage of 24..48 V DC.

- Cost optimized especially for serial applications
- Compact design with one PCB
- Direct mounting on the motor
- High enclosure class up to IP67 when mounted
- Operation in industrial area without external EMC components
- Fully 4Q operation with continuous transition
- Integrated CAN-Bus Interface with DSP402
- Easy coupling to PLC via I/O or field-bus



The DIS can be used as a torque, speed or position controller with synchronization. It is controlled via the CAN bus or a serial interface. Programming and diagnosis are possible via an RS232 or CAN bus interface. The Windows software “DIS-2 ServoCommander™” can be used to quickly, easily and comfortably parameterize the DIS.

In positioning operation 64 position sets (4 groups of 16 position) can be stored as absolute or relative point-to-point positioning, but it is also possible to use the “Interpolated position mode” via the integrated CAN bus.

The set-point assignment can be realized either via the bus or via two analog -10 to $+10$ V connection. Further technology or field-bus modules can be plugged into an additional slot.

Technical data:

	DIS-2 48/10
Supply voltage	24..48 V DC; $\pm 20\%$
Control voltage	24 V DC; $\pm 20\%$
Rated current I_{Rate}	15 A _{RMS}
Maximum current I_{Max} for 5 sec	40 A _{RMS}
Rated power P_{Rate}	750 W at 48 V DC
Maximum power P_{Max}	1500 W at 48 V DC
Clock frequency f_{PWM}	10 kHz
Housing temperature	0° to +65°C
Enclosure	IP54, prepared for IP67
Dimensions in mm (W x H x D) AMP Plug	110 x 56 x 80
Dimensions in mm (W x H x D) Phoenix Plug	112 x 56 x 83
Encoder evaluation	Resolver, analoge hall sensor, digital six-step-hall sensor with block commutation, SinCos encoder with HIPERFACE In preparation: incremental encoder
Interfaces	RS 232, CAN bus, additional extension slot e.g. for PROFIBUS
Inputs	<u>Maximum:</u> 8 x DIN, 24V 2 x AIN, $\pm 10V$ differential, 12 Bit
Outputs	<u>Maximum:</u> 3 x DOUT, 24V 1x brake, 24V 1 x AOUT, 0.05..10V, 8 Bit additional incremental encoder output for synchronization

Non-liability: There is not a pretension on completeness. Technical changes are reserved.

MTX Art.-Nr.:

9019-0248-00	DIS-2 48/10 AMP Plug
9019-0200-00	DIS-2 48/10 AMP Connector Set
9019-0300-00	DIS-2 48/10 Service Panel AMP Plug
9019-0248-02	DIS-2 48/10 IC Phoenix Plug
9019-0210-00	DIS-2 48/10 IC Phoenix Connector Set
9019-0310-00	DIS-2 48/10 IC Service Panel Phoenix Plug
9019-0900-00	DIS-2 ServoCommander™