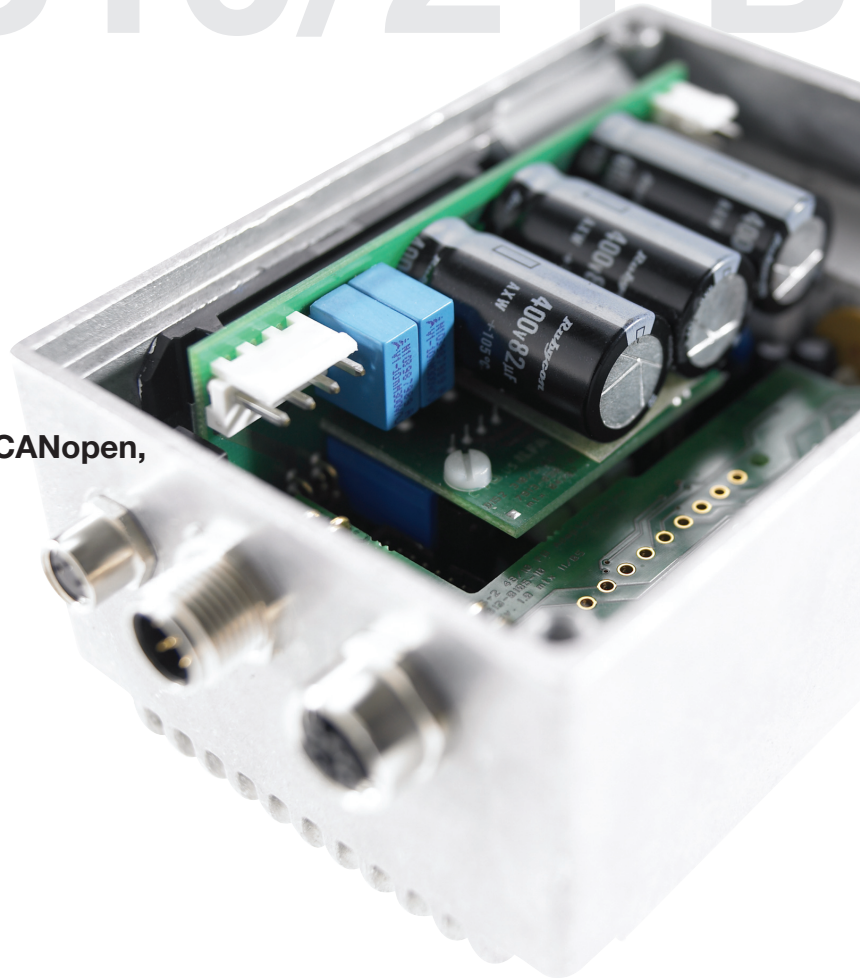


# DIS-2 310/2 FB



**Decentralise your application with CANopen, PROFIBUS or EtherCAT**

**flexible**

- ▶ open fieldbus
- ▶ open motor types
- ▶ open encoder systems

**universal**

- ▶ speed controller
- ▶ torque controller
- ▶ positioning controller

**compact**

- ▶ unique in size and performance
- ▶ directly mounted on motor
- ▶ no control cabinet necessary

**open concepts**

**Compact servopositioning controller  
The decentralised, compact powerunit –  
now with 230 V AC supply**

## Technical Data DIS-2 310/2 FB

Technical Data	Values
Permissible temperature ranges	Storage temperature: -25°C to +70°C Housing temperature during operation: 0°C to 80°C Ambient temperature at nominal power: temperature switch-off at approx. 85°C 0°C to 30°C, with power derating respectively output current derating of 3% / K from 30°C
Permissible installation height	Up to 1000 m a.m.s.l., 1000 to 4000 m a.m.s.l. with power derating
Humidity	Rel. Humidity up to 90%, non-condensing
Protection class	IP54, depending on the type of installation up to IP67
Pollution degree	1
CE-conformity: Low-Voltage Directive EMC Directive	EN 50 178 EN 61 800 - 3 only with external line filter END 230-4
Inputs	Maximum: 10 x digital in (24 V), 2 x analogue in ( $\leq 10$ V, 12 bit, differential)
Outputs	Maximum: 3 x digital out (24 V), 1 x digital out for holding brake, 1 x analogue out (0...10 V, 8 Bit)
Voltage supply	230 V <sub>rms</sub> $\pm$ 10%, approx. 2,0 A, Single phase supply voltage
Control voltage	24 V DC [ $\pm 20$ %] / 0,20 A <sup>1)</sup> , internal protected with poly-switch, triggered at approx. 1 A, <sup>1)</sup> plus supply current of the optional holding brake 0,7 A
PWM frequency	10 kHz
Output nominal power	300 W
Output nominal current	2 A <sub>rms</sub>
Max. output current for 1 s	6 A <sub>rms</sub>
Brake chopper	integrated, U <sub>chop</sub> approx. 380 V
External brake resistor Value / continuous / pulse power	screwed on mounted plate, type PLR of Metallux 100 $\Omega$ / 30 W / 600 W
Holding brake	24 V DC, max. 700 mA
Dimensions for basic unit	56 H x 80 W x 112 D mm (without counter plug)
Weight	approx. 550 g



### Order numbers for DIS-2 310/2 FB and auxiliary equipment

Type / article	Order number
DIS-2 310/2 FB CANopen	9019-3103-00
DIS-2 310/2 FB PROFIBUS	9019-3103-04
DIS-2 310/2 FB EtherCAT	9019-3103-05
Brake resistor PLR	9519-0002-00
Input line filter END 230-4	9504-0005
Control panel	9019-0330-00
Set of counter plugs	9019-3120-00
RS232-cable	9019-0221-00



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