

Technical data

Decentralized servo drive DIS-2

» DIS-2 48/10 FB

Features	DIS-2 48/10	DIS-2 48/10 FB	DIS-2 48/10 FB FS STO
Admissible temperature ranges	Storage temperature: -25 °C to +70 °C		
	Operating temperature: 0 °C to +50 °C, +50 °C to +70 °C at reduced power 2 % / K, temperature switch-off at approx. 85 °C		
Admissible installation height	Mounting height maximum 2000 m above msl, above 1000 m above msl with power reduction 1 % per 100 m		
Humidity	Rel. humidity up to 90 %, not bedewing		
Protection degree	IP54, depending on the type of installation up to IP67		
Protection class	III		
Pollution degree	2		
CE conformity low-voltage directive: EMC directive:	Not applicable Directive 2004/108/EG (Standard EN 61800–3)		
Inputs	maximum: 10 DIN (24 V), 2 AIN (± 10 V, 12 Bit, differential)		
Outputs	maximum: 3 DOUT (24 V), 1 DOUT for holding brake, 1 AOUT (0...10 V, 8 Bit)		
Voltage supply	0...60 V DC (48 V DC _{rated} / 15 A _{rated})		
Control voltage	24 V DC [± 20 %], 0.20 A ¹⁾ , internally protected with poly-switch, triggered at approx. 1 A		
Clock frequency	10 kHz / 20 kHz		
Output power	500 VA		
Rated output current	15 A _{rms}		
Max. output current for 2 s	40 A _{rms}		
Brake chopper (integrated)	-	U _{chop} 63 V	
Brake resistor (optional)	5 Ω, can be screw-fastened to the mounting plate		
Continuous / pulse output brake	-	30 W / 750 W	
Holding brake	24 V DC, max. 700 mA		
Dimensions of the basic unit (W x H x D) ²⁾	56 x 80 x 112 mm		
Weight	approx. 0.5 kg		

¹⁾ Plus the supply current of the optional holding brake of 0.7 A

²⁾ Without counter plug and mounting plate



DIS-2 310/2 FB

Features	DIS-2 310/2 FB	DIS-2 310/2 FB FS STO
Admissible temperature ranges	Storage temperature: -25 °C to +70 °C	
	Operating temperature (housing): 0 °C to +80 °C, Temperature switch-off at approx. 85 °C	
	Ambient temperature: 0 °C to +30 °C at nominal power: with power derating respectively output current derating of 3% / K from 30 °C	
Admissible installation height	Mounting height maximum 2000 m above msl., above 1000 m above msl with power reduction 1 % per 100 m	
Humidity	Rel. humidity up to 90 %, not bedewing	
Protection degree	IP54, depending on the type of installation up to IP67	
Protection class	I	
Pollution degree	2	
CE conformity low-voltage directive: EMC directive:	Directive 2006/95/EG (Standard EN 61800-5-1) Directive 2004/108/EG (Standard EN 61800-3)	
Inputs	maximum: 10 DIN (24 V), 2 AIN (± 10 V, 12 Bit, differential)	
Outputs	maximum: 3 DOUT (24 V), 1 DOUT for holding brake, 1 AOUT (0...10 V, 8 Bit)	
Voltage supply	1 $\times$ 240 V AC [± 10 %], ca. 2.2 A	
Control voltage	24 V DC [± 20 %], 0.20 A ¹⁾ , internally protected with poly-switch, triggered at approx. 1 A	
Clock frequency	10 kHz	
Output power	300 W / 500 W	
Rated output current	2 A _{rms}	
Max. output current for 1 s	6 A _{rms}	
Brake chopper (integrated)	U _{chop} 390 V	
Brake resistor (optional)	100 Ω , can be screw-fastened to the mounting plate	
Continuous / pulse output brake resistor	30 W / 1450 W	
Holding Brake	24 V DC, max. 700 mA	
Dimensions of the basic unit (W x H x D) ²⁾	56 x 80 x 112 mm	
Weight	approx. 0.5 kg	

¹⁾ Plus the supply current of the optional holding brake of 0.7 A

²⁾ Without counter plug and mounting plate