

SIDOOR ATD430W control device for machine tools, up to 700 kg door weight, 36 V DC, 1*RS485, 4*DI, 2*relay, PROFINET IO conformance class C via 2x RJ45 sockets, 1*24 V DC out, -20 to +50 °C, EN ISO 13849-1 performance level d, EN ISO 14120



Figure similar

General information	
Product type designation	ATD430W
Optional product expansion	TRANSFORMER (6FB1112-0AT20-2TR0), TRANSFORMER UL (6FB1112-0AT21-2TR0), NT40 (6FB1112-0AT20-3PS0), DIN rail holder (6FB1144-0AT00-3AS0)
Manufacturer's article no. of the usable motor	6FB1103-0AT10-4MB0, 6FB1103-0AT10-3MC0, 6FB1103-0AT10-3MD0, 6FB1103-0AT11-4MB0, 6FB1103-0AT11-3MC0, 6FB1103-0AT11-3MD0, 6FB1103-0AT14-4MB1, 6FB1103-0AT13-4MB1, 6FB1103-0AT14-3MC2, 6FB1103-0AT13-3MC2, 6FB1103-0AT14-3MG2, 6FB1103-0AT13-3MG2
Manufacturer's article no. of the usable power supply unit	6FB1112-0AT20-2TR0, 6FB1112-0AT21-2TR0, 6FB1112-0AT20-3PS0, 6EP3446-8SB10-0AY0
Installation type/mounting	
Installation and mounting instructions	No direct solar radiation, final application-specific requirements must be observed. Installation outside a control cabinet only in horizontal mounting position
Supply voltage	
Design of the power supply	Via SIDOOR TRANSFORMER / SIDOOR TRANSFORMER UL / NT40 / SITOP PSU8200 13 A, 36 V or via DC
Rated value (DC)	36 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	38 V
Protection in case of DC supply	Use of a circuit breaker in the supply path according to 60898-1, 8A, C-characteristic type SIEMENS: 5SY4108-7 or 5SY4108-7KK11
Input current	
I ² t, min.	30 A ² s
Encoder supply	
Output voltage (DC)	24 V; Ensure correct polarity! CAUTION: Do not supply with external voltage!
short-circuit proof	Yes
Overload-proof	Yes
24 V encoder supply	
• Output current, max.	400 mA
Power	
Active power input	145 W
Active power input, max.	540 W
Active power input (standby mode)	5 W
Digital inputs	
Control inputs isolated	Yes
Control inputs p-switching	Yes
Input voltage	
• for signal "0", min.	-3 V
• for signal "0", max.	5 V

• for signal "1", min. • for signal "1", max.	10 V 28 V		
Input current			
• for signal "0", max. (permissible quiescent current) • for signal "1", min. • for signal "1", max.	0.5 mA 9 mA 27 mA		
Digital outputs			
Relay outputs			
Switching capacity of contacts			
— at 30 V DC, min.	0.01 A		
— at 30 V DC, max.	0.5 A		
Mechanical data			
Opening width of door, min.	0.3 m		
Opening width of door, max.	5 m		
Weight of door, max.	600 kg		
Operating cycle frequency of door, max.	180 1/h		
Counterforce, max.	75 N		
Kinetic energy, max.	100 J		
Interfaces			
Interfaces/bus type	PROFINET IO according to Conformance Class C		
Isolation			
Overvoltage category	2		
Degree of pollution	2		
Degree and class of protection			
IP degree of protection	IP20		
Standards, approvals, certificates			
Certificate of suitability according to EN 81	No		
CE mark	Yes		
UL approval	Yes		
EAC (formerly Gost-R)	Yes		
TÜV Inspectorate approval	Yes		
PNO certificate	Yes		
China RoHS compliance	Yes		
Standard for EMC	EN 61000-6-2 / EN 61000-6-4		
Standard for safety	EN 61010-1 / EN 61010-2-201 / UL 61010-1 / UL 61010-2-201 / EN ISO 13849-1 Cat. 2 PL d		
Ambient conditions			
Ambient temperature during operation			
• min. • max. • Remark	-20 °C 50 °C Screw control device thermally conductive onto a metallic mounting surface or standard rail mounting, otherwise the maximum operating temperature is only 40 °C		
Ambient temperature during storage/transportation			
• Storage, min. • Storage, max.	-40 °C 70 °C		
Altitude during operation relating to sea level			
• Installation altitude above sea level, max.	2 000 m		
Relative humidity			
• No condensation, min. • No condensation, max.	10 % 93 %		
Dimensions			
Width	320 mm		
Height	60 mm		
Depth	80 mm		
Classifications			
		Version	Classification
	eClass	16	27-02-27-11
	eClass	14	27-02-27-11

eClass	12	27-02-27-11
ETIM	10	EC002987
ETIM	9	EC002987
ETIM	8	EC002987
ETIM	7	EC002987
IDEA	4	4776
UNSPSC	15	39-12-15-52

Approvals / Certificates

General Product Approval



[Declaration of Con-
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General Product Ap- proval	EMV	Functional Saftey	other	Industrial Commu- nication
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