

SIDOR ATD400T RELAY CONTROL UNIT FOR INTERIOR TRAIN DOORS, UP TO 180KG DOOR WEIGHT, 36VDC, 1*RS485, 4*DI, 3*RELAY, 1*24VDC OUT, -25 - +70 DEGREE CELSIUS, EN 50155, EN 50121-3-2, EN 45545-2, EN 61373



Figure similar

General information	
Product type designation	ATD400T relay
Manufacturer's article no. of the usable motor	6FB1103-0AT10-4MB0, 6FB1103-0AT11-4MB0, 6FB1103-0AT15-4MB0, 6FB1103-0AT16-4MB0
Installation type/mounting	
Installation and mounting instructions	At operating temperatures > 55 °C a sufficiently large (at least 350 mm x 350 mm), unpainted, metal mounting plate must be used
Supply voltage	
Design of the power supply	DC
Rated value (DC)	24 V
permissible range, lower limit (DC)	16.8 V
permissible range, upper limit (DC)	37.1 V
Input current	
Current consumption, max.	15 A
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
• output current at 55 °C to 70 °C, max.	100 mA
Power	
Active power input	80 W
Active power input, max.	540 W
Digital inputs	
Control inputs isolated	Yes
Control inputs p-switching	Yes
Input voltage	
• permissible voltage at input, min.	10 V; Observe polarity !
• permissible voltage at input, max.	28 V; Observe polarity !
Input current	
• for signal "1", min.	9 mA
• for signal "1", max.	27 mA
Digital outputs	
Relay outputs	
Switching capacity of contacts	
— at 50 V DC, min.	0.01 A; 50 V DC switching voltage not released for NFPA-relevant countries
— at 50 V DC, max.	1 A; 50 V DC switching voltage not released for NFPA-relevant countries
— at 230 V AC, min.	0.01 A
— at 230 V AC, max.	1 A
Mechanical data	
Opening width of door, min.	0.25 m
Opening width of door, max.	4 m
Weight of door, max.	180 kg
Operating cycle frequency of door, max.	180 1/h
Counterforce, max.	80 N
Counterweight	
• with SIDOOR M3 geared motor, max.	6 kg
Interfaces	
Interfaces/bus type	without
Isolation	
Overvoltage category	2

Degree and class of protection	
IP degree of protection	IP20
Standards, approvals, certificates	
CE mark	Yes
UL approval	No
China RoHS compliance	Yes
Standard for EMC	EN 50121-3-2
Ambient conditions	
Ambient temperature class according to EN 50155	T3
Ambient temperature during operation	
• min.	-25 °C
• max.	70 °C; At operating temperatures > 55 °C the operating parameters are limited to default values
• Remark	At operating temperatures > 55 °C, the maximum air temperature of 85 °C must not be exceeded near the printed-circuit board if temperature class T3 according to EN 50155 is used
Ambient temperature during storage/transportation	
• Storage, min.	-40 °C
• Storage, max.	50 °C
Altitude during operation relating to sea level	
• Installation altitude above sea level, max.	2 000 m
Relative humidity	
• No condensation, min.	10 %
• No condensation, max.	93 %
Fire resistance	
• Behavior in fire	complies with EN 45545-2 Hazard Level HL3
Dimensions	
Width	320 mm
Height	60 mm
Depth	80 mm
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