



AS-Interface CompactLine module

CompactM12 4 DO T V4A A/B



Application		
Design	only for operation with AS-i masters with the profile M4	
Application	field installation	
Electrical data		
Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	75
Max. current load total	[A]	4
Additional voltage supply	[V]	15...30 DC; (AUX)
Max. current consumption from additional supply	[mA]	4000; (AUX)
Integrated watchdog		yes
Inputs / outputs		
Number of inputs and outputs	Number of digital outputs: 4	
Outputs		
Number of digital outputs	4	



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Circuit	PNP
Voltage range DC [V]	15...30; (AUX)
Max. current load per output [mA]	2000; (utilisation category DC-13 (control of electromagnets): 20 W (IEC 60947-5-1))
Max. current load outputs total [A]	4
Short-circuit proof	yes
Electrically separated	yes
Actuator supply outputs	AUX

Operating conditions

Ambient temperature [°C]	-25...80
Storage temperature [°C]	-25...80
Max. relative air humidity [%]	90; (non condensing)
Max. height above sea level [m]	2000
Protection	IP 67; (when flat cables are used E7400x / E7401x)

Tests / approvals

EMC	EN 61000-6-2	
	EN 62026-2	
	EN 50581	
MTTF [years]	300	
UL approval	power supply	Class 2

AS-i classification

AS-i version	3.0				
AS-i addressing	IR addressing possible				
Extended addressing mode	yes				
AS-i master profile	M4				
AS-i profile	S-7.A.7				
AS-i I/O configuration	[hex]	7			
AS-i ID code	[hex]	A.7			
AS-i certificate	128401				
Assignment of the data bits	data bit	D0	D1	D2	D3
	Output	1	2	3	4
	socket	O-1	O-2	O-3	O-4
	pin	4	4	4	4

Mechanical data

Weight [g]	282
Type of mounting	AS-i flat cables directly connectable
Materials	PA; socket: stainless steel (316L/1.4404); threaded inserts in the lower part: stainless steel (316L/1.4404); O-ring: EPDM; screws: stainless steel (316Cu/1.4578); piercing contacts: CuSn6 nickel-plated and tin-plated

Displays / operating elements

Display	switching status	LED, yellow O1...O4
	operation	LED, green AS-i, AUX
	errors	LED, red

Electrical connection

Module connection	Flat cables
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AC2487



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Accessories	
Accessories (optional)	Stainless steel sleeve, for installation in case of high mechanical stress , E70402
Remarks	
Pack quantity	1 pcs.
Electrical connection	
Connector: M12; coding: A	
3	Outputs
4	external voltage AUX -
5	switching output
1, 2	functional earth (FE)
	not used