AC2457

AS-Interface CompactLine module

CompactLM12 4DI-Y M12 IP67

ifm

Electrical data

Operating voltage	[V]	26.5...31.6 DC; ("supply class 2" to cULus)
Max. current consumption from AS-i	[mA]	250

Inputs / outputs

Number of inputs and outputs	Number of digital inputs: 4

AC2457

AS-Interface CompactLine module

CompactLM12 4DI-Y M12 IP67

Inputs				
Number of digital inputs		4		
Input circuit of digital inputs		PNP		
Sensor supply of the inputs		AS-i		
Voltage supply [V]		20...30		
Max. total current rating of inputs [mA]		200		
Input current limitation [mA]		15		
Input current High [mA]		6...10		
Input current Low [mA]		0...2		
Min. switching level high signal [V]		11		
Digital inputs protected against short circuits		yes		

Operating conditions				
Ambient temperature [°C]		-25...80		
Protection		IP 67; ("enclosure type 1" according to cULus; when flat cables are used E7400x / E7401x)		

Tests / approvals				
EMC		EN 50295		

AS-i classification				
AS-i version		2.11 + 3.0		
AS-i addressing		IR addressing possible		
Extended addressing mode possible		yes		
AS-i profile		S-0.A.E		
AS-i I/O configuration [hex]		0		
AS-i ID code [hex]		A.E		
AS-i certificate		40301		
Assignment of the data bits	data bit	D0	D1	D2	D3
	input	1	2	3	4
	socket	I-1/2	I-1/2 I-2	I-3/4	I-3/4 I-4
	pin	4	2 4	4	2 4

Mechanical data				
Weight [g]		289.5		
Type of mounting		AS-i flat cables directly connectable		
Materials		PA; socket: brass nickel-plated; threaded inserts in the lower part: brass nickel-plated; O-ring: FKM; piercing contacts: CuSn6 nickel-plated and tin-plated		

Displays / operating elements				
Display	operation		LED, green	
	errors		LED, red	
	function		LED, yellow	

Accessories				
Accessories (optional)		Stainless steel sleeve, for installation in case of high mechanical stress , E70402		

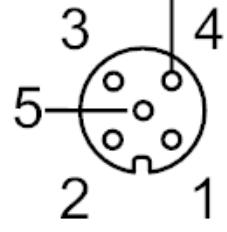| Remarks				
Pack quantity		1 pcs.		

AC2457

AS-Interface CompactLine module

CompactLM12 4DI-Y M12 IP67
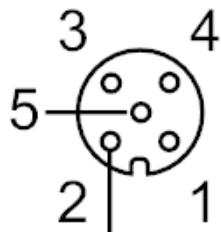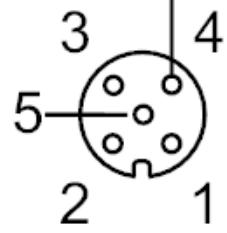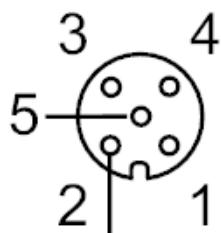
Connection

	Inputs
1	Sensor supply +
2	data input
3	Sensor supply -
4	data input
5	functional earth (FE)

Connector: 4 x M12