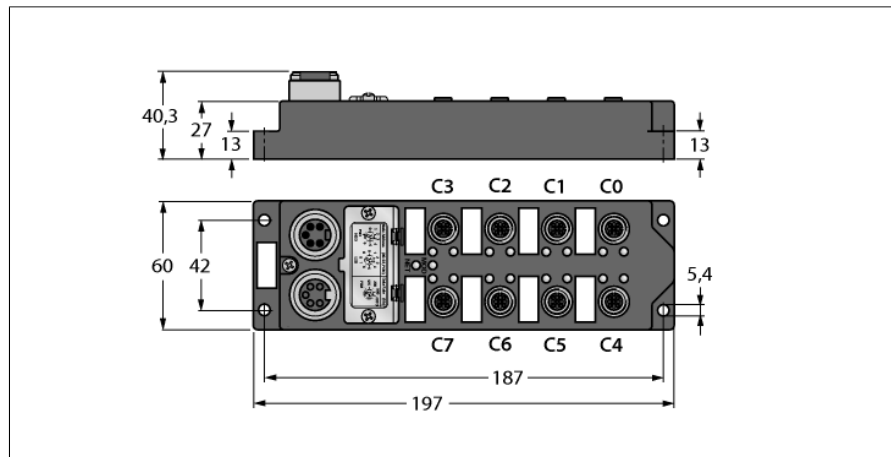


I/O Module for DeviceNet Fieldbus

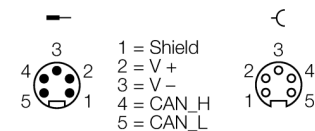
16 digital pnp/npn inputs

FDNL-L1600-T

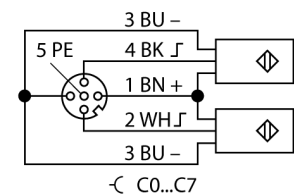


- 16 digital npn/pnp inputs
- Wire-break monitoring
- Channel-related diagnostics
- Two channels per connector
- Fiber-glass reinforced PA6 housing
- Vibration and shock-resistant
- Encapsulated module electronics
- Metal connectors
- Degree of protection IP67

Fieldbus



M12 × 1 Input



Type	FDNL-L1600-T
ID	F0095
Number of channels	16
Operating / load voltage	11...26 VDC
Operating current	< 140 mA
Inputs	
Number of channels	(16) 3-wire npn/pnp sensors
Input voltage	13...26 VDC
Supply current	< 80 mA per input, short-circuit proof
Switching threshold	EN 61131-3 low max.: 1.5 mA / high min.: 2 mA
Input delay	2.5 ms
Switching frequency	≤ 100 Hz
Max. input current	7 mA
Electrical isolation	galvanic isolation against the bus
Sensor supply	bus connection
Fieldbus transmission rate	125/250/500 kbps
Fieldbus addressing	0...63 (decimal) via coded rotary switches
Dimensions (W x L x H)	60 x 197 x 40 mm
Housing material	fibre-glass reinforced Polyamide (PA6-GF30)
Mounting	4 mounting holes Ø 5,4 mm
Ambient temperature	-25...+70 °C
Protection class	IP67
MTTF	175 years acc. to SN 29500 (Ed. 99) 20 °C
Approvals	CE, UL, CSA, FM

Data in process image

C1P4: Male Connector 1, 4-pole
ISS-3: Short-circuit channel 3
IOS-2: Wire-break channel 2:

		Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
Input	Byte 0	C3P2	C3P4	C2P2	C2P4	C1P2	C1P4	C0P2	C0P4
	Byte 1	C7P2	C7P4	C6P2	C6P4	C5P2	C5P4	C4P2	C4P4
	Byte 2	ISS-7	ISS-6	ISS-5	ISS-4	ISS-3	ISS-2	ISS-1	ISS-0
	Byte 3	ISS-15	ISS-14	ISS-13	ISS-12	ISS-11	ISS-10	ISS-9	ISS-8
	Byte 4	IOS-7	IOS-6	IOS-5	IOS-4	IOS-3	IOS-2	IOS-1	IOS-0
	Byte 5	IOS-15	IOS-14	IOS-13	IOS-12	IOS-11	IOS-10	IOS-9	IOS-8