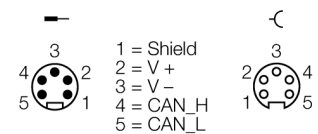


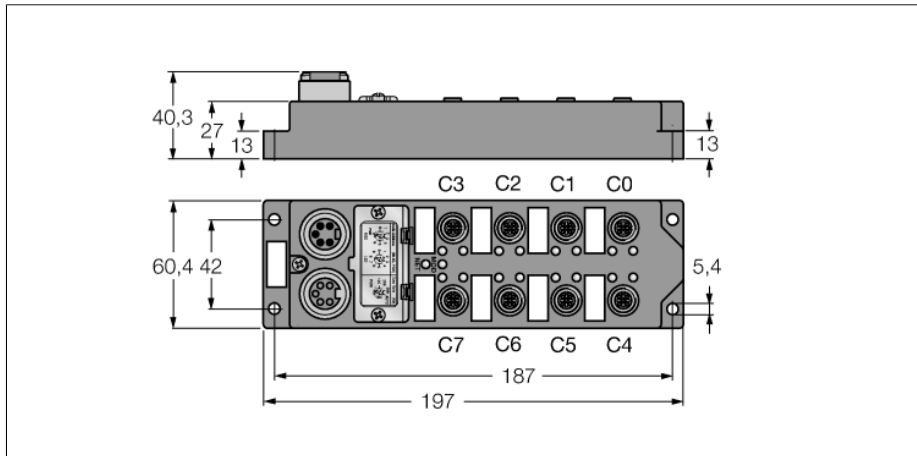
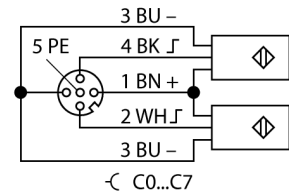
**Compact I/O module for DeviceNet™**  
**16 digital pnp/npn inputs**  
**FDNL-L1600-T**

- 16 digital npn/pnp inputs
- Wire-break monitoring
- Channel-related diagnostics
- Two channels per connector
- Fibre-glass reinforced PA6 housing
- Vibration and shock-resistant
- Encapsulated module electronics
- Metal connector
- Protection class IP67

**Fieldbus**



**input M12 x 1**



<b>Type code</b>	FDNL-L1600-T
Ident no.	6602335
<b>Operating / load voltage</b>	11...26 VDC
Operating current	< 140 mA
<b>Fieldbus transmission rate</b>	125...500 kbps
Fieldbus addressing	0...63 (decimal) via coded rotary switches
<b>Inputs</b>	
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
Input delay	low max.: 1.5 mA / high min.: 2 mA
Switching frequency	2.5 ms
Max. input current	≤ 100 Hz
Electrical isolation	7 mA
	galvanic isolation against the bus
<b>Sensor supply</b>	bus connection
<b>Electrical isolation</b>	to operating and load voltage
<b>Dimensions (W x L x H)</b>	60.4x197x27mm
Housing material	fibre-glass reinforced Polyamide (PA6-GF30)
Mounting	4 mounting holes Ø 5,4 mm
Operating temperature	-25...+70 °C
Protection class	IP67
Approvals	CE, UL, CSA, FM

**Compact I/O module for DeviceNet™**  
**16 digital pnp/npn inputs**  
**FDNL-L1600-T**

**TURCK**

Industrial  
Automation

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