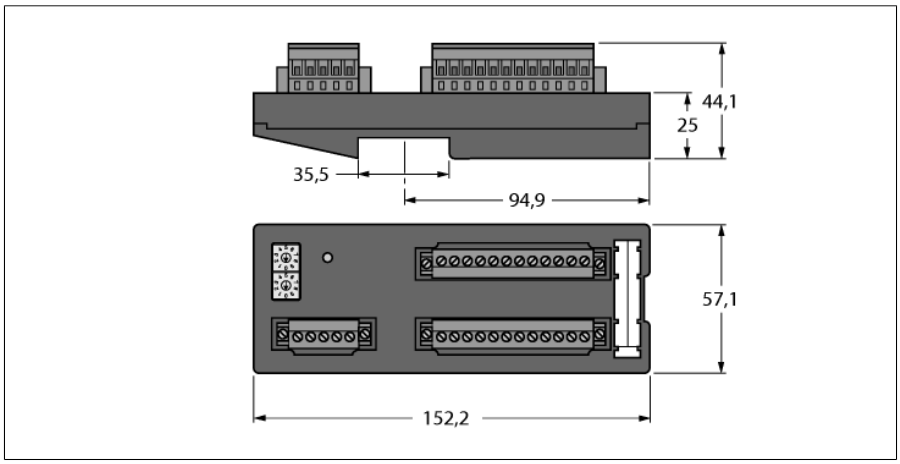
Compact I/O station for DeviceNet
16 Universal Digital Channels
FDN20-16XSG



- **DeviceNet slave**
- **Removable 5-pin screw-clamp terminal block, for DeviceNet fieldbus connection**
- **Rotary coding switch for setting the DeviceNet™ address**
- **3 I/O supply groups galvanically isolated from each other**
- **16 universal digital channels, DI / DO**
- **24 VDC, PNP**
- **Output current: 0.5A**
- **Protection class IP20**

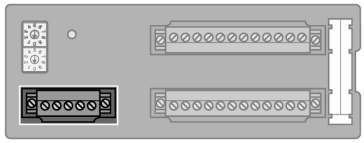
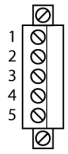
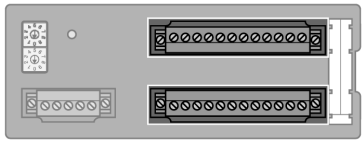
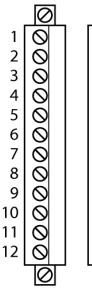
Type designation	FDN20-16XSG
Ident no.	F0175
Number of channels	16
Electrical isolation	I/Os to DeviceNet
internal power consumption	<75 mA plus I/O supply
Voltage supply via DeviceNet	24 VDC
Supply voltage	24 VDC
Admissible range field supply	11…26 VDC
Power dissipation, typical	≤ 1.2 W
Inputs	
Number of channels	16
Input voltage	11…26 VDC
Low level signal voltage	< 4 V
High level signal voltage	8…24 V
Low level signal current	< 0.5 mA
High level signal current	1…3.4 mA
Max. input current	Total: 700 mA
Outputs	
Number of channels	16
Output voltage	18…26 VDC
Output current per channel	0.5A (from Aux)
Switching frequency	≤ 100 Hz
Short-circuit protection	yes
Fieldbus transmission rate	125/250/500 kbps
Fieldbus address range	0...63
Fieldbus addressing	2 decimally coded rotary switches
Dimensions (W x L x H)	57.1 x 152.2 x 44.1 mm
Housing material	Nylon
Ambient temperature	-40…+70 °C
Vibration test	Acc. to IEC 60068-2-6
Shock test	Acc. to IEC 60068-2-27
Protection class	IP20
UL Certificate	pol. deg.2; surr. air temp. max. 40°C; cl.2 ps req.; tight. torque max. 0.56-0.79 Nm

Edition • 2022-08-19T13:54:50+02:00

Hans Turck GmbH & Co.KG ● D-45472 Mülheim an der Ruhr ● Witzlebenstraße 7 ● Tel. 0208 4952-0 ● Fax 0208 4952-264 ● more@turck.com ● www.turck.com

Compact I/O station for DeviceNet
16 Universal Digital Channels
FDN20-16XSG

Terminal assignment

	**DeviceNet and Power Supply** Fieldbus cable (example): CBC5-572-2M (ident no. 6606065) or RKC5701-5M (ident no. 6931035)	Terminal Connection  1 = V + 2 = CAN_H 3 = SHD 4 = CAN_L 5 = V –
	**Power Supply and I/O Channels** AUX1: Supply of the I/O channels 0 to 7 AUX2: Supply of the I/O channels 8 to 13 AUX3: Supply of the I/O channels 14 to 15 Via terminals V+ and V- more devices can be fed from the DeviceNet™ supply with 24 VDC or with up to 0.7A.	Terminal Connection  1 = V + 2 = V – 3 = AUX1 + 4 = AUX1 – 5 = I/O 0 6 = I/O 1 7 = I/O 2 8 = I/O 3 9 = I/O 4 10 = I/O 5 11 = I/O 6 12 = I/O 7 13 = AUX2 + 14 = AUX2 – 15 = I/O 8 16 = I/O 9 17 = I/O 10 18 = I/O 11 19 = I/O 12 20 = I/O 13 21 = AUX3 + 22 = AUX3 – 23 = I/O 14 24 = I/O 15

Edition • 2022-08-19T13:54:50+02:00

 Hans Turck GmbH & Co.KG ● D-45472 Mülheim an der Ruhr ● Witzlebenstraße 7 ● Tel. 0208 4952-0 ● Fax 0208 4952-264 ● more@turck.com ● www.turck.com