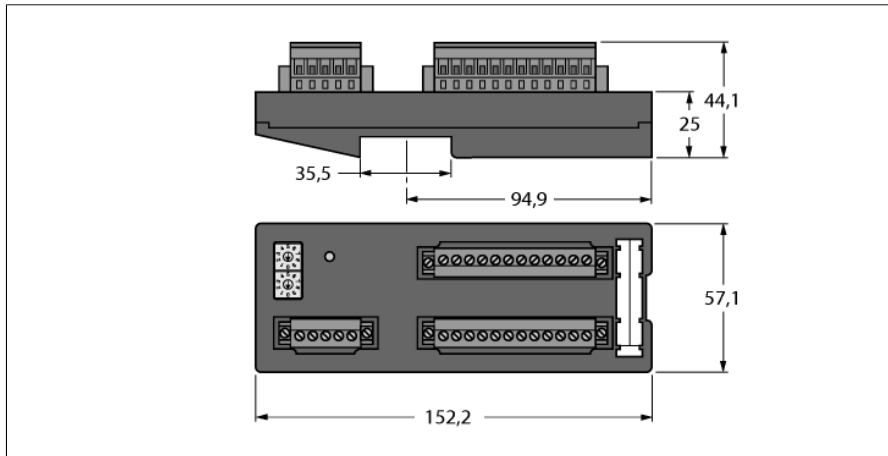


Compact I/O station for DeviceNet

16 Digital Inputs

FDN20-16S



- 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 digital inputs
- 24 VDC, PNP
- Degree of protection IP20

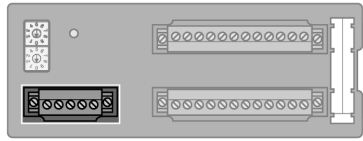
Type designation	FDN20-16S
Ident-No.	F0176
Number of channels	16
Electrical isolation	I/Os to DeviceNet
internal power consumption	<75 mA plus I/O supply
Voltage supply via DeviceNet	24 VDC
Supply voltage	24 VDC
Admissible range field supply	11...26 VDC
Power dissipation, typical	≤ 1.2 W
Inputs	
Number 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
Fieldbus transmission rate	125/250/500 kbps
Fieldbus address range	0...63
Fieldbus addressing	2 decimally coded rotary switches
UL Certificate	pol. deg.2; surr. air temp. max. 40°C; cl.2 ps req.; tight. torque max. 0.56-0.79 Nm
Dimensions (W x L x H)	57.1 x 152.2 x 44.1 mm
Housing material	Nylon
Operating temperature	-40...70°C
Protection class	IP20
Approvals	CE, UL
UL Certificate	pol. deg.2; surr. air temp. max. 40°C; cl.2 ps req.; tight. torque max. 0.56-0.79 Nm

Compact I/O station for DeviceNet

16 Digital Inputs

FDN20-16S

Terminal assignment



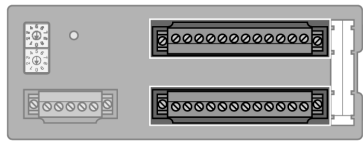
DeviceNet and Power Supply

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 De-
viceNet™ supply with 24 VDC or with up to 0.7A.

Terminal Connection



1 = V +	13 = AUX2 +
2 = V -	14 = AUX2 -
3 = AUX1 +	15 = I/O 8
4 = AUX1 -	16 = I/O 9
5 = I/O 0	17 = I/O 10
6 = I/O 1	18 = I/O 11
7 = I/O 2	19 = I/O 12
8 = I/O 3	20 = I/O 13
9 = I/O 4	21 = AUX3 +
10 = I/O 5	22 = AUX3 -
11 = I/O 6	23 = I/O 14
12 = I/O 7	24 = I/O 15