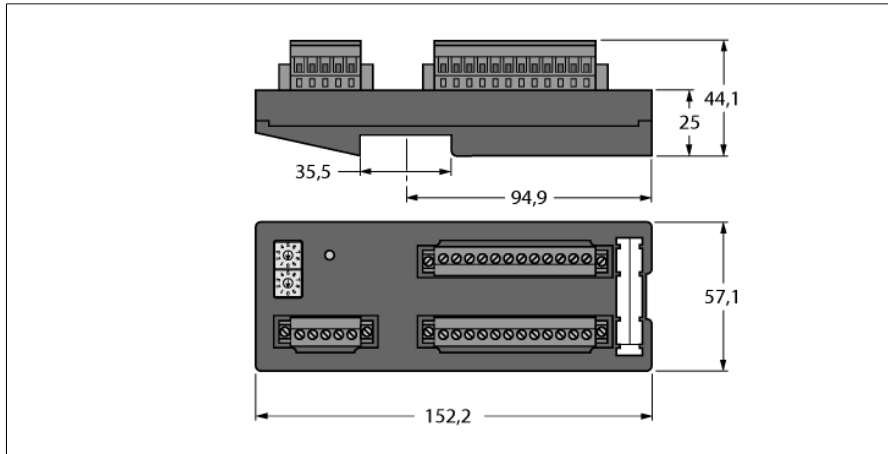


Compact I/O station for DeviceNet 16 Universal Digital Channels FDN20-16XSG

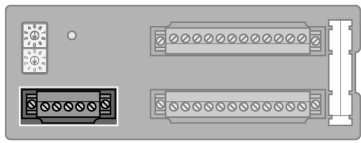


- DeviceNet slave
- Removable 5-pin screw-clamp terminal block, for DeviceNet fieldbus connection
- Rotary coding switch for setting the DeviceNet™ address
- 3 I/O supply groups galvanically isolated from each other
- 16 universal digital channels, DI / DO
- 24 VDC, PNP
- Output current: 0.5A
- Protection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

Type	FDN20-16XSG
ID	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

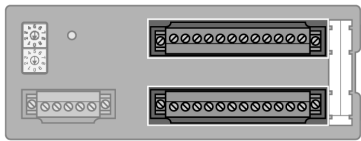
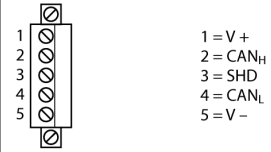
Terminal assignment



DeviceNet and Power Supply

Fieldbus cable (example):
 CBC5 572-2M (ident no. U0151) or
 RKC5701-5M (ident no. 6931034)

Terminal Connection



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

