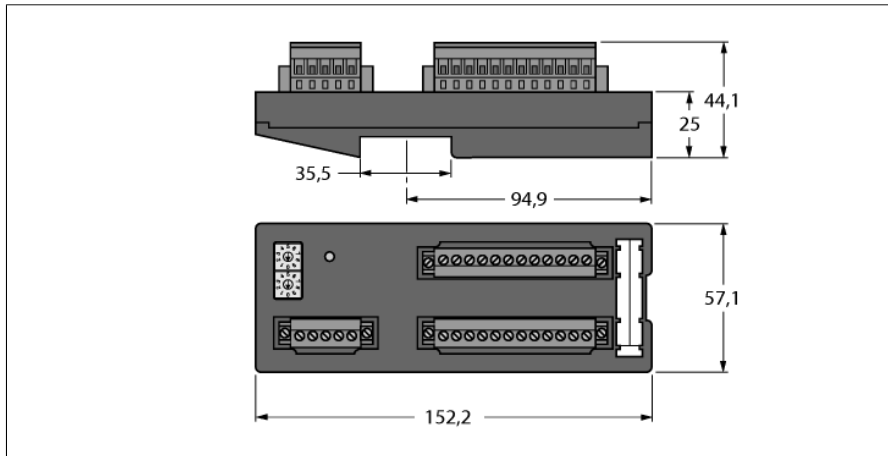


Compact I/O station for DeviceNet
16 universal digital channels
FDN20-16XSG



Industrial
Automation



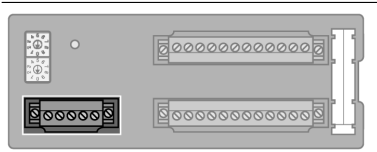
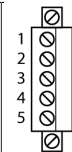
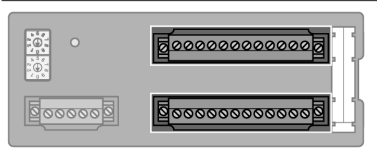
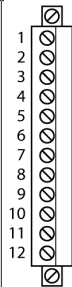
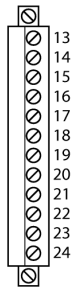
- DeviceNet™ slave
- Removable screw-clamp terminal block, 5-pin, for DeviceNet™ fieldbus connection
- Rotary coding switch for setting the DeviceNet™ address
- 3 I/O supply groups galvanically isolated from each other
- 16 universal digital channels, DI / DO
- 24 VDC, PNP
- output current: 0.5A
- Degree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

Type designation	FDN20-16XSG
Ident-No.	6611373
Ident-No (TUSA)	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
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 44.1mm
Housing material	Nylon
Operating temperature	-40...70°C
Protection class	IP20
Approvals	CE, UL
UL conditions	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 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)	 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.	  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