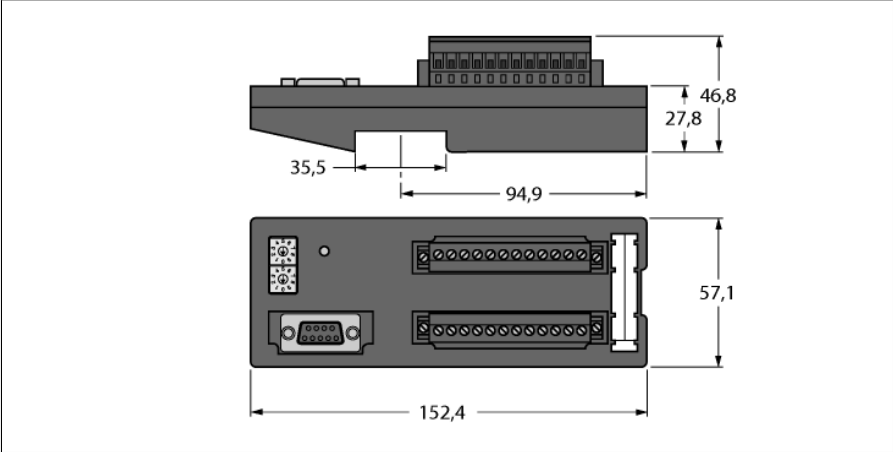


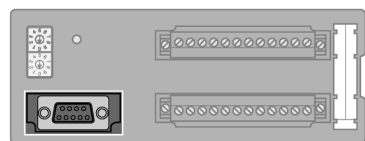
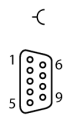
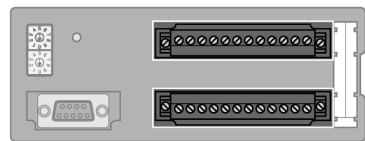
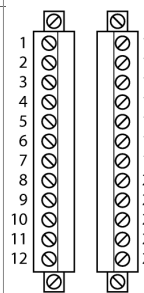
compact I/O station for PROFIBUS-DP
16 Universal Digital Channels
FDP20-16XSG



- PROFIBUS-DP slave
- 9-pin SUB-D socket for PROFIBUS field connection
- Rotary coding switch for setting the PROFIBUS address
- 3 I/O power supply groups each galvanically separated
- 16 universal digital channels, DI/DO
- 24 VDC, PNP
- Output current: 0.5 A
- Protection class IP20

ID	6611466
Number of channels	16
Electrical isolation	I/Os to PROFIBUS
internal power consumption	<75 mA plus I/O supply
Supply voltage	24 VDC
Admissible range field supply	18...30 VDC
Power dissipation, typical	≤ 1.8 W
Voltage supply connection	Pluggable screw terminal strip
Inputs	
Number of channels	16
Input voltage	18...30VDC
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
Input delay	2.5 ms
Max. input current	total: 700 mA
Outputs	
Number of channels	16
Output voltage	18...30 VDC
Output current per channel	0.5 A (from Aux)
Switching frequency	≤ 100 Hz
Short-circuit protection	yes
Fieldbus transmission rate	9.6 kbps ...12 Mbps
Fieldbus address range	1...99
Fieldbus addressing	2 decimally coded rotary switches
Dimensions (W x L x H)	57.1 x 152.2 x 46.8 mm
Ambient temperature	-40...+55 °C
Protection class	IP20
MTTF	170 years acc. to SN 29500 (Ed. 99) 20 °C
Approvals	CE, UL

Terminal assignment

	PROFIBUS-DP Fieldbus cable (example): D9T451-2M (ident no. 6915759) or RSSW-D9T451-2M (ident no. 6915779)	 1 = n.c. 2 = n.c. 3 = RD (Bus B) 4 = n.c. 5 = GND 6 = 5 VDC 7 = n.c. 8 = GN (Bus A) 9 = n.c.																								
	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 V+, V-: Supply for internal module electronics	 <table><tr><td>1 = V +</td><td>13 = AUX2 +</td></tr><tr><td>2 = V -</td><td>14 = AUX2 -</td></tr><tr><td>3 = AUX1 +</td><td>15 = I/O 8</td></tr><tr><td>4 = AUX1 -</td><td>16 = I/O 9</td></tr><tr><td>5 = I/O 0</td><td>17 = I/O 10</td></tr><tr><td>6 = I/O 1</td><td>18 = I/O 11</td></tr><tr><td>7 = I/O 2</td><td>19 = I/O 12</td></tr><tr><td>8 = I/O 3</td><td>20 = I/O 13</td></tr><tr><td>9 = I/O 4</td><td>21 = AUX3 +</td></tr><tr><td>10 = I/O 5</td><td>22 = AUX3 -</td></tr><tr><td>11 = I/O 6</td><td>23 = I/O 14</td></tr><tr><td>12 = I/O 7</td><td>24 = I/O 15</td></tr></table>	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
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