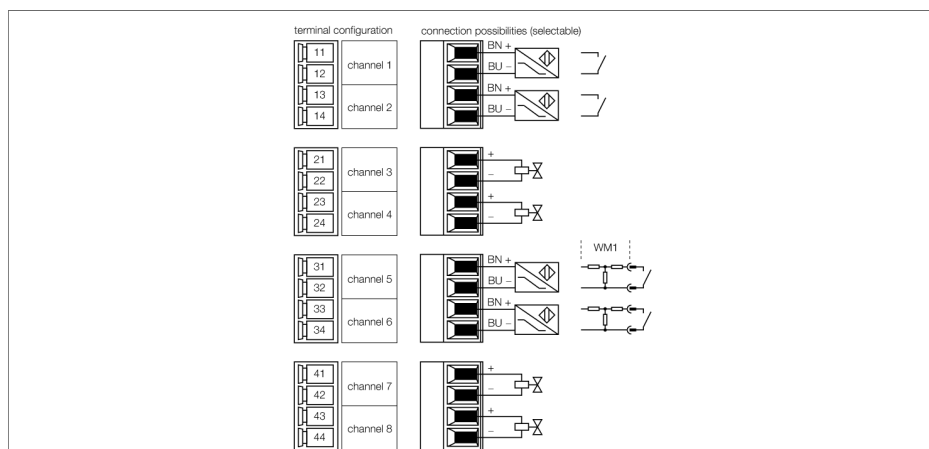




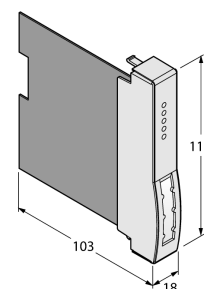
The input/output module DM80-N is used for the connection of NAMUR sensors (DIN EN 60 947-5-6) and actuators. When wire-break and short-circuit monitoring are activated, mechanical contacts can only be connected with a corresponding resistor circuitry (WM1, Ident no. 0912101).

When connecting the fieldbus devices, care has to be taken that all inputs and outputs are connected to the same supply potential.

Input and output mode are adjusted via the PROFIBUS-DP master. The following parameters can be selected: switching performance, switch-on delay, default value, wire-break and short circuit monitoring.

The user can furthermore determine whether an input or an output should be provided at the connecting point. The following configurations are possible: 8 inputs/0 outputs; 6 inputs/2 outputs up to 0 inputs/8 outputs (GSD-file, Mode 2). This guarantees optimal integration into the corresponding application.

■ Input/output module for NAMUR sensors and actuators

Dimensions

Type code	DM80-N
Ident no.	6884211
Supply voltage	via the backplanes, central power supply
Power consumption	≤ 1 W
Galvanic separation	to int. bus and supply circuit
Number of channels	8-channel
Input circuits	acc. to EN 60947-5-6 (NAMUR)
No-load voltage	8 VDC
Short-circuit current	4 mA
Switching threshold on/off	type 1.8 / type 1.4 mA
Switching frequency	≤ 100 Hz
Short circuit	< 367 Ω
Wire-break	< 0.2 mA
Output circuits	for low-power actuators
No-load voltage	8 VDC
Rated current	4 mA
Internal resistance R _i	320 Ω
Switching frequency	≤ 100 Hz
Short circuit	< 367 Ω
Wire-break	< 0.2 mA
Indication	
Operational readiness	1 x green / red
State/ Fault	8 x yellow / red
Housing material	Plastic
Connection mode	module, plugged on rack
Protection class	IP20
Ambient temperature	-20...+70 °C
Relative humidity	≤ 95% at 55 °C acc. to EN 60068-2
Vibration test	acc. to IEC 60068-2-6
Shock test	acc. to IEC 60068-2-27
EMC	acc. to EN 61326-1 (2006) acc. to Namur NE21 (2007)
MTTF	141 years acc. to SN 29500 (Ed. 99) 40 °C
Dimensions	18x 118x 103 mm
Weight	70 g