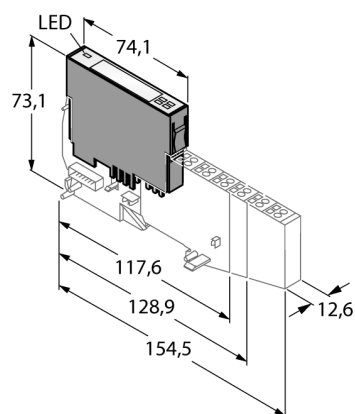


BL20 electronic module

4 Digital Inputs, NAMUR

BL20-4DI-NAMUR



- Fieldbus and connection technology independent
- Protection class IP20
- LEDs indicate status and diagnostic
- Electronics galvanically separated from the field level via optocouplers
- NAMUR inputs acc. to DIN EN 60947-5-6

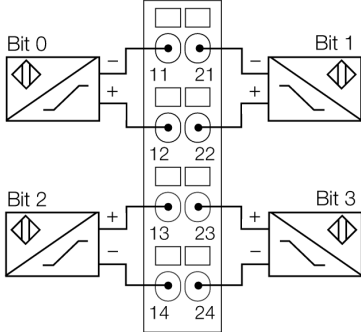
Functional principle

BL20 electronic modules are plugged into the purely passive base modules which are used for connection of field devices. Maintenance is significantly facilitated due to separation of the connection level from the module electronics. Furthermore flexibility is enhanced because the base modules provide a choice of tension spring or screw connection technology.

The electronic modules are completely independent of the type of higher level field bus through the use of gateways.

Type	BL20-4DI-NAMUR
ID	6827212
Number of channels	4
Rated voltage from the supply terminal	24 VDC
Nominal current from field supply	≤ 30 mA
Nominal current from module bus	≤ 40 mA
Power dissipation, typical	≤ 1 W
Inputs	
Input type	NAMUR acc. to DIN EN 60947-5-6
No-load voltage	8.2...8.6 VDC
Input - status	Switching on threshold: 1.74 mA Switch off threshold: 1.45 mA
Input wire-break	Switching on threshold: 0.08 mA Switch off threshold: 0.12 mA
Input - short-circuit	Switching on threshold: 6.2 mA Switch off threshold: 5.9 mA
Input delay	0.25 ms or 2.5 ms
Electrical isolation	electronics for the field level
Output connectivity	Screw, tension spring
Dimensions (W x L x H)	12.6 x 74.1 x 55.4 mm
Approvals	CE, cULus, zone 2, Class I, Div. 2
Ambient temperature	0...+55 °C
Storage temperature	-25...+85 °C
Relative humidity	15...95 %, no condensation allowed
Vibration test	Acc. to EN 61131
Shock test	Acc. to IEC 60068-2-27
Drop and topple	Acc. to IEC 60068-2-31
Electromagnetic compatibility	Acc. to EN 61131-2
Protection class	IP20
MTTF	560 years acc. to SN 29500 (Ed. 99) 20 °C

Compatible base modules

Dimension drawing	Type	Pin configuration
	BL20-S4T-SBBS 6827046 Tension spring connection BL20-S4S-SBBS 6827047 Screw connection	Wiring Diagram 

Accessories

Type code	Ident-No.		Dimension drawing
ZBW5-2BETÄTIGUNGSWERKZEUG	68271103	Tension spring tool	