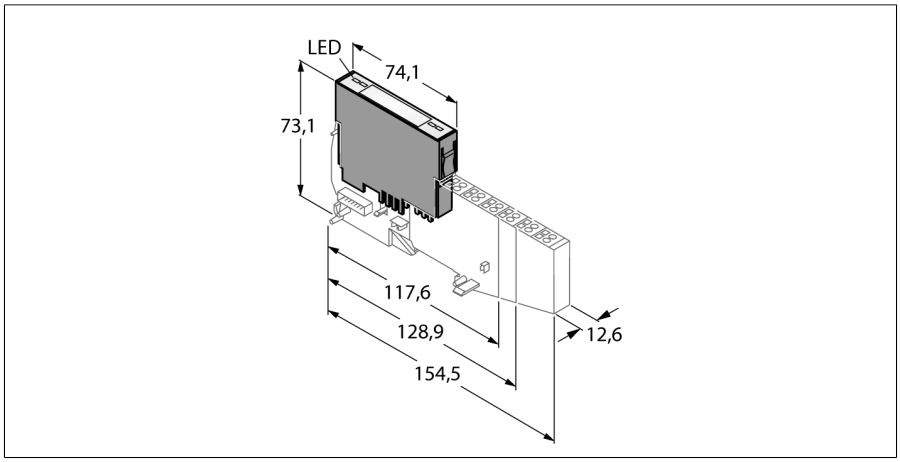
BL20 electronic module
Bus Refreshing Module with Diagnostics
BL20-BR-24VDC-D



- Fieldbus and connection technology independent
- Protection class IP20
- LEDs indicating system status, field supply and diagnostic information
- Can be used to form potential groups
- BL20 I/O modules powered with 5 VDC nominal voltage via the internal module bus
- Supplies field with 24 VDC nominal voltage

Type	BL20-BR-24VDC-D
ID	6827006
System power supply	24 VDC / 5 VDC
Field supply	24 VDC
Admissible range	18…30 VDC
Max. field supply current	10 A
Max. system supply current	1.5 A
Output connectivity	Screw, tension spring
Number of diagnostic bits	4
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	599 years acc. to SN 29500 (Ed. 99) 20 °C

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.

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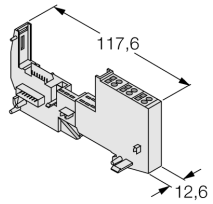
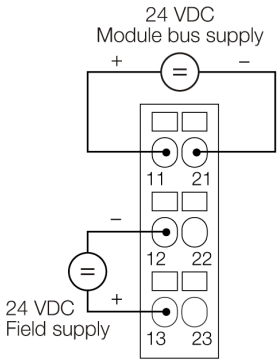
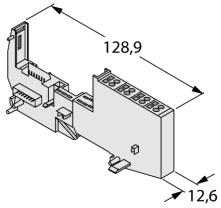
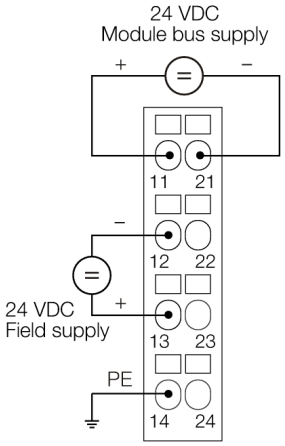
Compatible base modules

Dimension drawing	Type	Pin configuration
	**BL20-P3T-SBB-B** 6827040 Tension spring connection **BL20-P3S-SBB-B** 6827041 Screw connection	Wiring Diagram 
	**BL20-P4T-SBBC-B** 6827042 Tension spring connection, C rail **BL20-P4S-SBBC-B** 6827043 Screw connection, C rail	Wiring Diagram 

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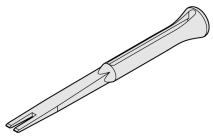
Accessories

Type code	Ident-No.		Dimension drawing
ZBW5-2BETÄTIGUNGSWERKZEUG	6827126	Tension spring tool	

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