

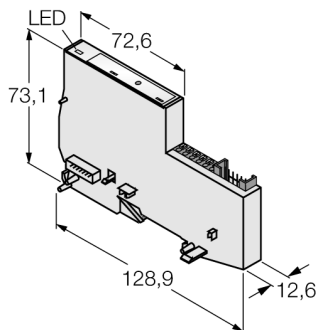
BL20 Economy Module

SWIRE communication module

BL20-E-1SWIRE

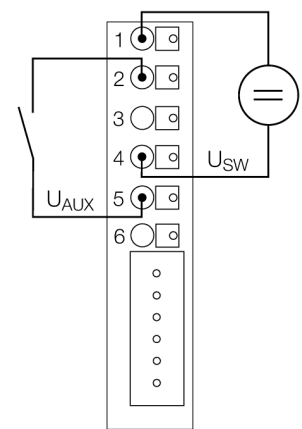
TURCK

Industrial
Automation



- Fieldbus-independent
- Electronics and connection technology in one housing
- Push-in clamps
- Protection class IP20
- Supports the connection of an SWIRE branch
- Maximum 16 nodes per SWIRE branch
- Maximal 3 SWIRE modules per BL20 station

Type	BL20-E-1SWIRE
Ident-No.	6827251
Number of channels	1 SWIRE branch
Number of nodes per branch	16 Direct-on-line starter 8 Reversing starter
Supply voltage	24 VDC
Admissible range	18...30 VDC
Rated current from module bus	≤ 60 mA
Voltage supply for contactor	24 VDC
Voltage supply for contactor	3 A
Electrical isolation	isolation of electronics and field level via optocouplers
Connection technology	push-in
Number of diagnostics bytes	8
Number of parameter bytes	24
Dimensions (W x L x H)	12.6x128.6x74.6mm
Approvals	CE, cULus
Operating temperature	0 ...+55 °C
Storage temperature	-25 ... +85 °C
Relative humidity	5 to 95% (internal), Level RH-2, no condensation (at 45 °C storage)
Vibration test	acc. to EN 61131
Shock test	acc. to IEC 68-2-27
Drop and topple	acc. to IEC 68-2-31 and free fall to IEC 68-2-32
Electro-magnetic compatibility	acc. to EN 50,082-2
Protection class	IP20



Functional principle

The BL20-E-1SWIRE supports the connection of one SWIRE branch with maximally 16 motor starters. A 6-core cable is used for power supply and data transmission. The correspondent motor starters form up a line topology and are thus connected to the BL20-E-1SWIRE. Electronics and connection technology are integrated in the housing. A base module is not needed. The module can be combined with other electronic modules within a station, provided the field wiring features tension spring connections.

The BL20-E-1SWIRE operates totally independent from the higher level fieldbus, as the BL20 gateways represent the fieldbus connection.