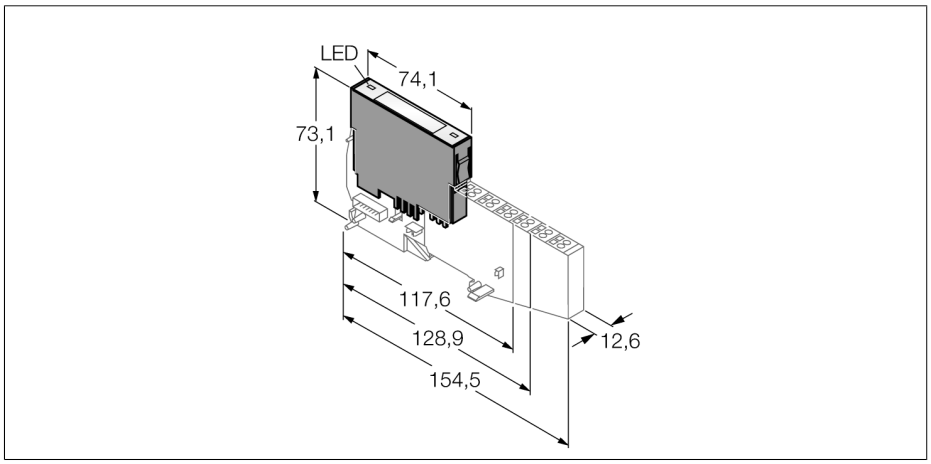
# BL20 electronic module
# power feeding module with diagnostics
# BL20-PF-120/230VAC-D




| | |
|---|---|
| **Type** | BL20-PF-120/230VAC-D |
| Ident-No. | 6827008 |
| **Supply voltage** | 120/230 VAC |
| Field supply | 120 / 230 VAC |
| Admissible range | acc. to EN 61131-2 |
| Rated current from module bus | ≤ 25 mA |
| Max. field supply current | 10 A |
| **Connection technology** | Screw, tension spring |
| **Number of diagnostic bits** | 4 |
| **Dimensions (W x L x H)** | 12.6x74.1x55.4mm |
| 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 |

- **Fieldbus and connection technology independent**
- **Protection class IP20**
- **LEDs indicating system status, field supply and diagnostic information**
- **Can be used to form potential groups**
- **Supplies field with 120/230 VAC nominal voltage**

### 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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Hans Turck GmbH & Co.KG ● D-45472 Mülheim an der Ruhr ● Witzlebenstraße 7 ● Tel. 0208 4952-0 ● Fax 0208 4952-264 ● more@turck.com ● www.turck.com

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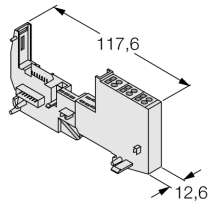
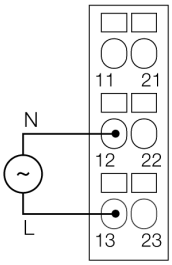
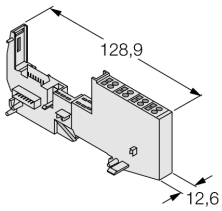
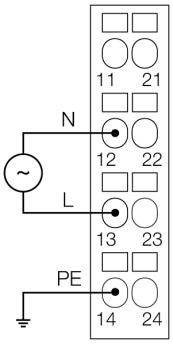
Industrial Automation

**Compatible base modules**

| Dimension drawing | Type | Pin configuration |
|---|---|---|
|  | **BL20-P3T-SBB**<br>6827036<br>tension spring connection<br><br>**BL20-P3S-SBB**<br>6827037<br>screw connection | Wiring diagram<br>  |
|  | **BL20-P4T-SBBC**<br>6827038<br>tension spring connection, access to C rail<br><br>**BL20-P4S-SBBC**<br>6827039<br>screw connection, access to C rail | Wiring diagram<br>  |

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