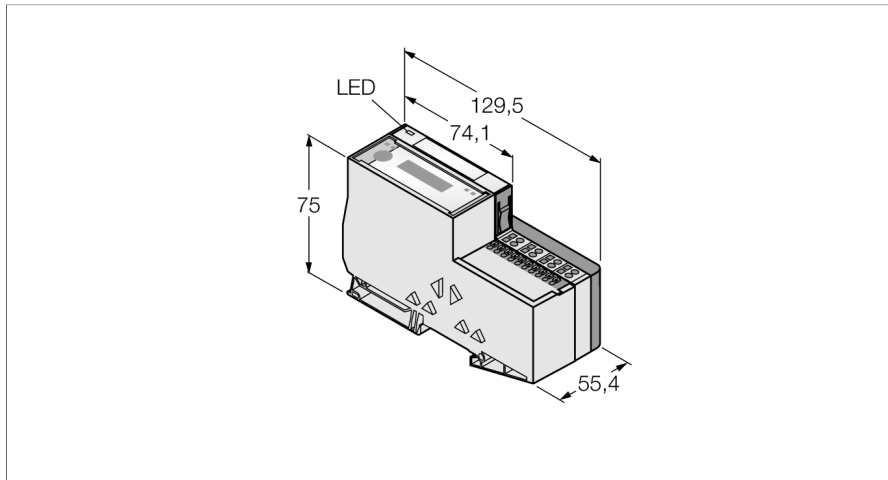


## Economy Set for Profibus DPV1 in IP20 TI-BL20-E-DPV1-2



- Cable max. 50 m between interface and read/write head
- Connection of up to 2 read/write heads via BL ident extension cables
- Mixed operation of HF and UHF read/write heads

### Functional principle


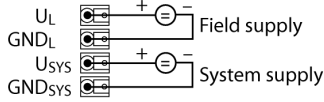

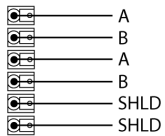
BL20 gateways are the head component of a BL20 station. They are designed to interface the modular fieldbus nodes to the higher level fieldbus (PROFIBUS-DP, DeviceNet, CANopen, Ethernet).

All BL20 electronic modules communicate over the internal module bus, the data of which is transferred to the fieldbus via the gateway, so that all I/O modules can be configured independently of the bus system.

<b>Type designation</b>	TI-BL20-E-DPV1-2
Ident no.	1545122
Number of channels	2
Dimensions (W x L x H)	55.4 x 129.5 x 75 mm
<b>Supply voltage</b>	24 VDC
System power supply	24 VDC / 5 VDC
Field supply	24 VDC
Admissible range	18...30 VDC
Max. field supply current	8
Max. system supply current	1
<b>Fieldbus transmission rate</b>	9.6 kbps ...12 Mbps
Fieldbus address range	1...126
Fieldbus addressing	via DIP switch
Service interface	PS/2 socket
Fieldbus connection technology	Push-in clamps
Voltage supply connection	Push-in terminals
Fieldbus termination	via DIP switch
<b>Number of diagnostics bytes</b>	3
Number of parameter bytes	5
<b>Relative humidity</b>	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 68-2-31 and free fall to IEC 68-2-32
Electromagnetic compatibility	Acc. to EN 50082-2
Protection class	IP20
<b>Included in delivery</b>	2 x end brackets BL20-WEW-35/2-SW, 1 x end plate BL20-ABPL

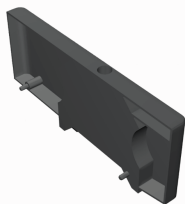
**Economy Set for Profibus DPV1 in IP20  
TI-BL20-E-DPV1-2**

**Anschlussübersicht**

	<p><b>Power Supply</b> The <math>U_{SYS}</math> system supply feeds power to the gateway and the I/O modules. The <math>U_L</math> field supply feeds power to the sensors and actuators.</p>	<p><b>Pin Assignment</b></p> 
	<p><b>PROFIBUS-DP</b> Fieldbus cable (example): D9T451-2M (ident no. 6915759) or RSSW-451-2M (ident no. 6914229)</p>	<p><b>Pin Assignment</b></p> 

**Economy Set for Profibus DPV1 in IP20  
TI-BL20-E-DPV1-2**

**Accessories**

Type code	Ident no.		Dimension drawing
BL20-ABPL (2 PCS.)	6827123	End plate for a BL20 station after the last I/O module (2 pieces)	
BL20-WEW-35/2-SW (10 PCS.)	6827124	End bracket for fixation of a BL20 station (10 pieces)	