

Your Global Automation Partner

**TURCK**



# Audi Győr

## BEMI Stock Items 2018

Product Catalog



**NOTE**

The project book contains hyperlinks to the Turck product database. Click on the respective product image to access the current product data on the Internet.

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## Sensor Technology – Inductive Sensors

BI5-Q08-AP6X2-V1131	–	Ident. no. 16005
	<p>Inductive sensor</p> <ul style="list-style-type: none"> <li>■ Rectangular, height 8 mm</li> <li>■ Active face on top</li> <li>■ Metal, GD-Zn</li> <li>■ Connector with snap-lock</li> <li>■ DC 3-wire, 10...30 VDC</li> <li>■ NO contact, PNP output</li> <li>■ Flange connector, Ø 8 mm</li> <li>■ Factor 1 for all metals</li> <li>■ Magnetic field immune</li> <li>■ Extended temperature range</li> <li>■ High switching frequency</li> </ul> <p>Rated switching distance: 5 mm, Flush</p>	
NI20U-TS12-AP6X2-V1131	–	Ident. no. 1646640
	<p>Inductive sensor</p> <p>Detection of small and fast tube-guided parts</p> <ul style="list-style-type: none"> <li>■ Rectangular, height 12 mm</li> <li>■ Plastic, PBT-GF30-V0</li> <li>■ DC 3-wire, 10...30 VDC</li> <li>■ NO contact, PNP output</li> <li>■ M8 x 1 male connector</li> <li>■ Resistant to magnetic fields</li> <li>■ Factor 1 for all metals</li> <li>■ High sensitivity for detection of small parts</li> <li>■ Output pulse length min. 100 ms</li> </ul> <p>Rated switching distance: 20 mm, Non-flush</p>	
BI15U-CK40-AP6X2-H1141	–	Ident. no. 1625600
	<p>Inductive sensor</p> <ul style="list-style-type: none"> <li>■ Rectangular, height 40 mm</li> <li>■ Variable orientation of active face in 5 directions</li> <li>■ Plastic, PBT-GF30-V0</li> <li>■ High luminance corner LEDs</li> <li>■ Optimum view on supply voltage and switching state from any position</li> <li>■ DC 3-wire, 10...30 VDC</li> <li>■ NO contact, PNP output</li> <li>■ M12 x 1 male connector</li> <li>■ Factor 1 for all metals</li> <li>■ Protection class IP68</li> <li>■ Resistant to magnetic fields</li> <li>■ Extended temperature range</li> <li>■ High switching frequency</li> </ul> <p>Rated switching distance: 15 mm, Flush</p>	






NI25U-CK40-AP6X2-H1141	-	Ident. no. 1625700
	<p>Inductive sensor</p> <ul style="list-style-type: none"> <li>■ Rectangular, height 40 mm</li> <li>■ Variable orientation of active face in 5 directions</li> <li>■ Plastic, PBT-GF30-V0</li> <li>■ High luminance corner LEDs</li> <li>■ Optimum view on supply voltage and switching state from any position</li> <li>■ DC 3-wire, 10...30 VDC</li> <li>■ NO contact, PNP output</li> <li>■ M12 x 1 male connector</li> <li>■ Factor 1 for all metals</li> <li>■ Protection class IP68</li> <li>■ Resistant to magnetic fields</li> <li>■ Extended temperature range</li> <li>■ High switching frequency</li> <li>■ Auto-compensation protects against pre-attenuation</li> </ul> <p>Rated switching distance: 25 mm, Non-flush</p>	
BI30U-CK40-AP6X2-H1141	-	Ident. no. 1625829
	<p>Inductive sensor</p> <ul style="list-style-type: none"> <li>■ Rectangular, height 40 mm</li> <li>■ Variable orientation of active face in 5 directions</li> <li>■ Plastic, PBT-GF30-V0</li> <li>■ High luminance corner LEDs</li> <li>■ Optimum view on supply voltage and switching state from any position</li> <li>■ DC 3-wire, 10...30 VDC</li> <li>■ NO contact, PNP output</li> <li>■ M12 x 1 male connector</li> <li>■ Factor 1 for all metals</li> <li>■ Protection class IP68</li> <li>■ Resistant to magnetic fields</li> <li>■ Large coverage</li> <li>■ High switching frequency</li> </ul> <p>Rated switching distance: 30 mm, Flush</p>	
NI50U-QV40-AP6X2-H1141	-	Ident. no. 1625853
	<p>Inductive sensor</p> <ul style="list-style-type: none"> <li>■ Rectangular, height 40 mm</li> <li>■ Variable orientation of active face in 5 directions without tools</li> <li>■ Plastic, PBT-GF30-V0</li> <li>■ High luminance corner LEDs</li> <li>■ Optimum view on supply voltage and switching state from any position</li> <li>■ DC 3-wire, 10...30 VDC</li> <li>■ NO contact, PNP output</li> <li>■ M12 x 1 male connector</li> <li>■ Factor 1 for all metals</li> <li>■ Increased switching distance</li> <li>■ Protection class IP68</li> <li>■ Resistant to magnetic fields</li> <li>■ Auto-compensation protects against pre-attenuation</li> <li>■ Partially embeddable</li> </ul> <p>Rated switching distance: 50 mm, Non-flush</p>	

BI50U-Q80-VP4X2-H1141	-	Ident. no. 1562000
	<p>Inductive sensor</p> <ul style="list-style-type: none"> <li>■ Rectangular, height 40 mm</li> <li>■ Active face on top</li> <li>■ Plastic, PBT-GF30-V0</li> <li>■ DC 4-wire, 10...65 VDC</li> <li>■ Changeover contact, PNP output</li> <li>■ M12 x 1 male connector</li> <li>■ Factor 1 for all metals</li> <li>■ Increased switching distance</li> <li>■ Protection class IP68</li> <li>■ Resistant to magnetic fields</li> </ul> <p>Rated switching distance: 50 mm, Flush</p>	
BI8U-M18-AP6X-H1141	-	Ident. no. 1644731
	<p>Inductive sensor</p> <ul style="list-style-type: none"> <li>■ Threaded barrel, M18 x 1</li> <li>■ Chrome-plated brass</li> <li>■ DC 3-wire, 10...30 VDC</li> <li>■ NO contact, PNP output</li> <li>■ M12 x 1 male connector</li> <li>■ Factor 1 for all metals</li> <li>■ Protection class IP68</li> <li>■ Resistant to magnetic fields</li> <li>■ Large switching distance</li> <li>■ Recessed mountable</li> </ul> <p>Rated switching distance: 8 mm, Flush</p>	
BI8U-MT18-AP6X-H1141	-	Ident. no. 1644730
	<p>Inductive sensor</p> <ul style="list-style-type: none"> <li>■ Threaded barrel, M18 x 1</li> <li>■ Brass, PTFE-coated</li> <li>■ DC 3-wire, 10...30 VDC</li> <li>■ NO contact, PNP output</li> <li>■ M12 x 1 male connector</li> <li>■ Factor 1 for all metals</li> <li>■ Protection class IP68</li> <li>■ Resistant to magnetic fields</li> <li>■ Large switching distance</li> <li>■ Recessed mountable</li> </ul> <p>Rated switching distance: 8 mm, Flush</p>	
BI8U-M18M-VP6X-H1141	-	Ident. no. 1634945
	<p>Inductive sensor</p> <ul style="list-style-type: none"> <li>■ Threaded barrel, M18 x 1</li> <li>■ Chrome-plated brass</li> <li>■ DC 4-wire, 10...30 VDC</li> <li>■ Changeover contact, PNP output</li> <li>■ M12 x 1 male connector</li> <li>■ Factor 1 for all metals</li> <li>■ Protection class IP68</li> <li>■ Resistant to magnetic fields</li> <li>■ Large switching distance</li> <li>■ Recessed mountable</li> </ul> <p>Rated switching distance: 8 mm, Flush</p>	





<b>BI30R-W30-DAP6X-H1141</b>	-	<b>Ident. no. 14045</b>
	<p>Inductive sensor Ring sensor</p> <ul style="list-style-type: none"> <li>■ Rectangular, height 30 mm</li> <li>■ Plastic, PA12-GF30</li> <li>■ DC 3-wire, 10...30 VDC</li> <li>■ Dynamic output behaviour</li> <li>■ NO contact, PNP output</li> <li>■ M12 x 1 male connector</li> <li>■ Pulse duration 100 ms</li> <li>■ Sensitivity adjusted via potentiometer</li> </ul>	
<b>NI2-K08Q-0.095/0.11-BDS-2AP6X3-H1141/S34</b>	-	<b>Ident. no. 1650124</b>
	<p>Inductive sensor Monitoring Kit for Power Clamps</p> <ul style="list-style-type: none"> <li>■ BDS power block with two connected sensors and LEDs</li> <li>■ Robust rotatable connector 0°, 45° and 90°, for optimal cable routing</li> <li>■ Plastic, Trogamid</li> <li>■ 2 x NO contact, PNP output</li> <li>■ DC 4-wire, 10...30 VDC</li> <li>■ Cable length 0.095 m</li> <li>■ Resistant to magnetic fields (weld-resistant), for DC and AC fields up to 100 mT</li> </ul> <p>Rated switching distance: 1.2 mm, Non-flush</p>	





## Sensor Technology – Magnetic Field Sensors




BIM-NST-AP6X-V1131	–	Ident. no. 4685800
		<p>Magnetic Field Sensor for pneumatic cylinders</p> <ul style="list-style-type: none"> <li>■ Plastic, PA12-GF30</li> <li>■ DC 3-wire, 10...30 VDC</li> <li>■ NO contact, PNP output</li> <li>■ Male connector, M8 x 1</li> <li>■ Magnetic-inductive sensor</li> </ul>
BIM-UNT-AP6X-0.3-RS4	–	Ident. no. 4685725
		<p>Magnetic Field Sensor for pneumatic cylinders</p> <ul style="list-style-type: none"> <li>■ For T-groove cylinders without mounting accessories</li> <li>■ Optional accessories for mounting on other cylindrical housings.</li> <li>■ One-hand mounting possible</li> <li>■ Fine adjustment tool and stopper directly mountable on the sensor</li> <li>■ Stable mounting</li> <li>■ DC 3-wire, 10...30 VDC</li> <li>■ NO contact, PNP output</li> <li>■ Pigtail with male end, M12 x 1</li> <li>■ Cable length 0.3 m</li> <li>■ Magneto-resistive sensor</li> </ul>
BIM-NST-AP6X-H1141	–	Ident. no. 4685400
		<p>Magnetic Field Sensor for pneumatic cylinders</p> <ul style="list-style-type: none"> <li>■ Plastic, PA12-GF30</li> <li>■ DC 3-wire, 10...30 VDC</li> <li>■ NO contact, PNP output</li> <li>■ Male connector, M12 x 1</li> <li>■ Magnetic-inductive sensor</li> </ul>
UNT-STOPPER	–	Ident. no. 4685751
		<p>Accessories for t-groove cylinders</p> <ul style="list-style-type: none"> <li>■ Potentiometer for safeguarding the switchpoint</li> <li>■ Mounting on T-groove cylinders</li> <li>■ Snap-lock mounting in equipment fixture of the sensor</li> </ul>
KLN3	–	Ident. no. 6970504
		<p>Accessories for T-groove and dovetail groove cylinders</p> <ul style="list-style-type: none"> <li>■ Mounting on profile cylinders with internal dovetail guide and T-groove</li> <li>■ All cylinder diameters</li> <li>■ Metal: anodized aluminium</li> </ul>

## Sensor Technology – Photoelectric Sensors

LE250KQ	–	Ident. no. 3097763
	<p>Photoelectric Sensor laser scanning system</p> <ul style="list-style-type: none"> <li>■ Transmission of process value and parametrization via IO-link</li> <li>■ 2-line, 8-segment display</li> <li>■ Rotatable connector, male M12 × 1, 5-pin</li> <li>■ Operating voltage: 12...30 VDC</li> <li>■ 1 × PNP switching output with IO-Link communication</li> <li>■ Range: 100...400 mm</li> <li>■ Laser class 2, red, 650 nm, acc. to IEC 60825-1:2007</li> <li>■ Resolution at 100 mm - 250 mm distance: &lt; 0.02 mm</li> <li>■ Resolution at 250 mm - 400 mm distance: &lt; 0.2 mm</li> </ul> <p>Max. range: 400 mm</p>	
LE550KQ	–	Ident. no. 3097761
	<p>Photoelectric Sensor Laser scanning system</p> <ul style="list-style-type: none"> <li>■ Transmission of process value and parametrization via IO-link</li> <li>■ 2-line 8-segment display</li> <li>■ Rotatable connector, male M12 × 1, 5-pin</li> <li>■ Operating voltage: 12...30 VDC</li> <li>■ 1 × PNP switching output with IO-Link communication</li> <li>■ Range: 100...1000 mm</li> <li>■ Laser class 2, red, 650 nm, acc. to IEC 60825-1:2007</li> <li>■ Resolution at 100 mm - 600 mm distance: &lt; 0.5 mm</li> <li>■ Resolution at 600 mm - 1000 mm distance: &lt; 1 mm</li> </ul> <p>Max. range: 1000 mm</p>	
Q4XTKLAF600-Q8	–	Ident. no. 3801918
	<p>Photoelectric Sensor Laser Distance Sensor (Triangulation)</p> <ul style="list-style-type: none"> <li>■ Transmission of process value and parametrization via IO-link</li> <li>■ 4-digit 7-segment LED display</li> <li>■ 3 buttons</li> <li>■ Output indicator (yellow)</li> <li>■ IP67/69K</li> <li>■ ECOLAB-certified</li> <li>■ Operating voltage: 12...30 VDC</li> <li>■ 1 × PNP switching output with IO-Link communication</li> <li>■ 1 × PNP switching output or frequency output</li> <li>■ Range: 25...600 mm</li> <li>■ Laser class 1, red, 655 nm, acc. to IEC 60825-1:2007</li> </ul> <p>Max. range: 600 mm</p>	
QS30LDQ	–	Ident. no. 3070231
	<p>Photoelectric Sensor diffuse mode sensor</p> <ul style="list-style-type: none"> <li>■ Male M12 × 1, 5-pin</li> <li>■ Protection class IP67</li> <li>■ Operating voltage: 10...30 VDC</li> <li>■ Switching output, bipolar</li> <li>■ Light or dark operation</li> <li>■ LED all-round visible</li> <li>■ Teach button</li> <li>■ 8-segment bargraph</li> </ul> <p>Max. range: 400 mm</p>	

<b>PD45VP6C100</b>	–	<b>Ident. no. 3046288</b>
	Photoelectric Sensor convergent mode laser sensor <ul style="list-style-type: none"> <li>■ High excess gain</li> <li>■ Focal point, Ø 0.25 mm</li> <li>■ Sensitivity adjusted via potentiometer</li> <li>■ Light and dark operation</li> <li>■ Connection cable, 2 m</li> </ul> Focal distance: 102 mm Max. range: 102 mm	
<b>PD45VP6C200</b>	–	<b>Ident. no. 3048323</b>
	Photoelectric Sensor convergent mode laser sensor <ul style="list-style-type: none"> <li>■ High excess gain</li> <li>■ Focal point, Ø 0.25 mm</li> <li>■ Sensitivity adjusted via potentiometer</li> <li>■ Light and dark operation</li> <li>■ Connection cable, 2 m</li> </ul> Focal distance: 203 mm Max. range: 203 mm	
<b>D12SP6FPHQ</b>	–	<b>Ident. no. 3034974</b>
	Photoelectric Sensor Photoelectric Sensor for Plastic Fibers <ul style="list-style-type: none"> <li>■ Base unit for plastic fibers</li> <li>■ 7-segment LED chain for indication of excess gain</li> <li>■ Operating voltage 10...30 VDC</li> <li>■ PNP transistor switching output</li> <li>■ Sensitivity adjustable via potentiometer</li> <li>■ Very high excess gain</li> <li>■ Alarm function</li> <li>■ Connector 8 mm</li> </ul>	
<b>PIT16U</b>	–	<b>Ident. no. 3039983</b>
	Plastic Fiber single conductor <ul style="list-style-type: none"> <li>■ Optical fiber, total length: ± 1829 mm</li> <li>■ Operation: opposed mode</li> <li>■ 2 pcs. included in delivery</li> <li>■ Polyethylene sheath, flexible</li> <li>■ Operating temperature: -30...+70 °C</li> <li>■ Cable, straight, customizable</li> <li>■ Optical fiber, core diameter 0.25 mm</li> <li>■ Threaded end tip M2.5 × 0.45</li> </ul>	

## Sensor Technology – Pick-to-Light

PVD100Q	–	Ident. no. 3070989
	<p>Pick-to-Light placement sensor light grid</p> <ul style="list-style-type: none"> <li>■ 4-beam system, beam spacing 28.6 mm</li> <li>■ Scan field 111 mm</li> <li>■ Range max. 2 m with reflector and max. 400 mm in diffuse mode</li> <li>■ Protection class IP62</li> <li>■ Cable with male end M12 x 1, 5-pin, 2 m</li> <li>■ Operating voltage 12...30 VDC</li> <li>■ Non-actuated current consumption: &lt; 20 mA, &lt; 70 mA with activated job light</li> <li>■ DIP switches for adjustment of PNP/NPN switching output, NO/NC output and work light</li> <li>■ Cable length 0.15 m</li> <li>■ Job light: green</li> <li>■ Mispick: red</li> </ul> <p>Max. range: 400 mm</p>	
PVD225Q	–	Ident. no. 3070991
	<p>Pick-to-Light placement sensor light grid</p> <ul style="list-style-type: none"> <li>■ 8-beam system, beam spacing 28.6 mm</li> <li>■ Scan field 240 mm</li> <li>■ Range max. 2 m with reflector and max. 400 mm in diffuse mode</li> <li>■ Protection class IP62</li> <li>■ Cable with M12 x 1 male receptacle, 5-pin, 2 m</li> <li>■ Operating voltage 12...30 VDC</li> <li>■ Non-actuated current consumption: &lt; 20 mA, &lt; 70 mA with activated job light</li> <li>■ DIP switches for adjustment of PNP/NPN switching output, NO/NC output and work light</li> <li>■ Cable length 0.15 m</li> <li>■ Job light: green</li> <li>■ Mispick: red</li> </ul> <p>Max. range: 400 mm</p>	
K70APT2GRCQ	–	Ident. no. 3096860
	<p>Pick-to-Light placement sensor Capacitive Sensor</p> <ul style="list-style-type: none"> <li>■ Capacitive sensor of the second generation</li> <li>■ High immunity to false actuation by splashing, detergents, oils and other contaminants</li> <li>■ Protection class IP65</li> <li>■ M12 x 1 male connector, 4-pin</li> <li>■ Operating voltage 12...30 VDC</li> <li>■ PNP switching</li> <li>■ NO contact</li> <li>■ Job light: green</li> <li>■ Mispick: -</li> <li>■ Actuation: red</li> </ul>	
K50APT2GRYF2Q	–	Ident. no. 3096764
	<p>Pick-to-Light placement sensor Capacitive Sensor</p> <ul style="list-style-type: none"> <li>■ Capacitive sensor of the second generation</li> <li>■ High immunity to false actuation by splashing, detergents, oils and other contaminants</li> <li>■ Protection class IP67/IP69K</li> <li>■ M12 x 1 connector</li> <li>■ PNP switching output, NO contact</li> <li>■ Colors: Green (COL 1), Red (COL 2), Yellow (COL 3)</li> </ul>	

K50APTRGQ

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Ident. no. 3031286



- Pick-to-Light  
placement sensor  
capacitive button
- Protection class IP67
  - Male M12 x 1, 4-pin
  - Operating voltage 12...30 VDC
  - PNP switching
  - NO contact
  - Job light: red
  - Mispick: not signalled
  - Actuation: green
-

## Sensor Technology – Flow Sensors

FCS-G1/2A4-AP8X-H1141

–

Ident. no. 6870004



- Flow monitoring  
Immersion sensor with integrated processor
- Flow sensor for liquid media
  - Calorimetric principle
  - Adjustment via potentiometer
  - LED band
  - DC 3-wire, 19.2...28.8 VDC
  - NO contact, PNP output
  - Connector device, M12 × 1
-

# Machine Vision

**VE202G2A**

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**Ident. no. 3800129**

Vision systems

Smart Camera

- Image processing tools: Gray value, object -, edge - and positioning functions, pattern, stain, flaws - and bead detection
  - Analysis tools: Mathematical operations and measuring function
  - Vision manager software with intuitive user interface
  - 2-line, 8-segment LCD display with pushbuttons
  - 5 x PNP/NPN, input/output
  - External trigger input
  - Connection for external lighting
  - Supports Ethernet protocol PROFINET, EtherNet/IP and Modbus/TCP)
  - 1/1.8" CMOS, 2 MP image sensor
-

## Connectivity – Cables and Flanges

<b>PKG3M-2/TXL</b>	–	<b>Ident. no. 6625550</b>
	<p>Actuator and Sensor Cable, PUR Connection Cable</p> <ul style="list-style-type: none"> <li>■ Female M8, straight, 3-pin</li> <li>■ Cable length: 2.0 m</li> <li>■ Sheath material: PUR</li> <li>■ Sheath color: black</li> <li>■ Qualified for drag chain use</li> <li>■ Resistant to weld splatter</li> <li>■ Resistant to chemicals, UV radiation and oils</li> <li>■ Flame retardant</li> <li>■ Free from halogen, silicone, PVC and LABS</li> <li>■ Particularly resistant to abrasion</li> <li>■ Approval: cULus</li> <li>■ RoHS conform</li> <li>■ Protection class IP67</li> </ul>	
<b>PKG4M-2-PSG4M/TXL</b>	–	<b>Ident. no. 6625673</b>
	<p>Actuator, Sensor and Supply Cable, PUR Extension Cable</p> <ul style="list-style-type: none"> <li>■ Female M8, straight, 4-pin</li> <li>■ Cable length: 2.0 m</li> <li>■ Sheath material: PUR</li> <li>■ Sheath color: black</li> <li>■ Qualified for drag chain use</li> <li>■ Resistant to weld splatter</li> <li>■ Resistant to chemicals, UV radiation and oils</li> <li>■ Flame retardant</li> <li>■ Free from halogen, silicone, PVC and LABS</li> <li>■ Particularly resistant to abrasion</li> <li>■ Approval: cULus</li> <li>■ RoHS conform</li> <li>■ Protection class IP67</li> <li>■ Male M8, straight, 4-pin</li> </ul>	
<b>RKC4.5T-2/TXL</b>	–	<b>Ident. no. 6625506</b>
	<p>Actuator and Sensor Cable, PUR Connection Cable</p> <ul style="list-style-type: none"> <li>■ Female M12, straight, 5-pin</li> <li>■ Cable length: 2.0 m</li> <li>■ Sheath material: PUR</li> <li>■ Sheath color: black</li> <li>■ Qualified for drag chain use</li> <li>■ Resistant to weld splatter</li> <li>■ Resistant to chemicals, UV radiation and oils</li> <li>■ Flame retardant</li> <li>■ Free from halogen, silicone, PVC and LABS</li> <li>■ Particularly resistant to abrasion</li> <li>■ Approval: cULus</li> <li>■ RoHS conform</li> <li>■ Protection class IP67</li> </ul>	



<b>RKC8T-10/TXL</b>	–	<b>Ident. no. 6625144</b>
	Actuator and Sensor Cable, PUR Connection Cable <ul style="list-style-type: none"> <li>■ Female M12, straight, 8-pin</li> <li>■ Cable length: 10 m</li> <li>■ Sheath material: PUR</li> <li>■ Sheath color: black</li> <li>■ Qualified for drag chain use</li> <li>■ Resistant to weld splatter</li> <li>■ Resistant to chemicals, UV radiation and oils</li> <li>■ Flame retardant</li> <li>■ Free from halogen, silicone, PVC and LABS</li> <li>■ Particularly resistant to abrasion</li> <li>■ Approval: cULus</li> <li>■ RoHS conform</li> <li>■ Protection class IP67</li> </ul>	
<b>RKS4.5T-5/TXL</b>	–	<b>Ident. no. 6626374</b>
	Actuator and Sensor Cable, PUR Connection Cable <ul style="list-style-type: none"> <li>■ Female M12, straight, 5-pin</li> <li>■ Cable length: 5 m</li> <li>■ Shield on coupling nut/screw</li> <li>■ Sheath material: PUR, shielded</li> <li>■ Sheath color: black</li> <li>■ Qualified for drag chain use</li> <li>■ Resistant to weld splatter</li> <li>■ Resistant to chemicals, UV radiation and oils</li> <li>■ Flame retardant</li> <li>■ Free from halogen, silicone, PVC and LABS</li> <li>■ Particularly resistant to abrasion</li> <li>■ Approval: cULus</li> <li>■ RoHS conform</li> <li>■ Protection class IP67</li> </ul>	
<b>RKM52-2M</b>	–	<b>Ident. no. 6604711</b>
	PUR Cable Jacket, 5-pin <ul style="list-style-type: none"> <li>■ Power cable: 5 x 1.5 mm<sup>2</sup></li> <li>■ Sheath material: PUR, color: gray</li> <li>■ Sheath diameter: 8.5 mm</li> <li>■ Suitable for drag chain use</li> <li>■ Oil-resistant and flame-retardant</li> <li>■ Halogen-free</li> <li>■ Cable length: 2.0 m</li> <li>■ 7/8" female, straight</li> <li>■ Open end</li> </ul>	
<b>RSSD-RSSD-4416-0.3M</b>	–	<b>Ident. no. 6441647</b>
	Industrial Ethernet/PROFINET Cable PUR Cable Jacket <ul style="list-style-type: none"> <li>■ M12 male, straight, D-coded</li> <li>■ Ethernet cable: 4-pin, AWG 22</li> <li>■ CAT 5E</li> <li>■ Cable length: 0.3 m</li> <li>■ Sheath material: PUR</li> <li>■ Sheath color: green</li> <li>■ Shield: Aluminum foil overlapped, tinned copper wire</li> <li>■ Jacket diameter: 6.5 mm</li> <li>■ Suitable for drag chain use</li> <li>■ Oil resistant acc. to IEC 60811-2-1 and UL13</li> <li>■ Free from halogen acc. to IEC 60754</li> <li>■ Flame-retardant acc. to IEC 60332-1-2 and UL2556 VW1</li> <li>■ RoHS-compliant</li> <li>■ PNO-compliant</li> <li>■ M12 male, straight, D-coded</li> </ul>	

RSSD-RSSD-4416-2M	-	Ident. no. 6441652
	<p>Industrial Ethernet/PROFINET Cable PUR Cable Jacket</p> <ul style="list-style-type: none"> <li>■ M12 male, straight, D-coded</li> <li>■ Ethernet cable: 4-pin, AWG 22</li> <li>■ CAT 5E</li> <li>■ Cable length: 2.0 m</li> <li>■ Sheath material: PUR</li> <li>■ Sheath color: green</li> <li>■ Shield: Aluminum foil overlapped, tinned copper wire</li> <li>■ Jacket diameter: 6.5 mm</li> <li>■ Suitable for drag chain use</li> <li>■ Oil resistant acc. to IEC 60811-2-1 and UL13</li> <li>■ Free from halogen acc. to IEC 60754</li> <li>■ Flame-retardant acc. to IEC 60332-1-2 and UL2556 VW1</li> <li>■ RoHS-compliant</li> <li>■ PNO-compliant</li> <li>■ M12 male, straight, D-coded</li> </ul>	
VAS22-S80E-2-RSC5.31T/TXL	-	Ident. no. 6606509
	<p>Valve connector A type Extension Cable</p> <ul style="list-style-type: none"> <li>■ 2-pin + PE</li> <li>■ Design according to the DIN EN 175301-803</li> <li>■ RoHS-compliant</li> <li>■ Protection class: IP65, IP67, IP68</li> <li>■ Protective component: Transil diode</li> <li>■ Cable length 2 m</li> <li>■ Sheath material: PUR</li> <li>■ Sheath color: black</li> <li>■ Qualified for drag chain use</li> <li>■ Resistant to weld splatter</li> <li>■ Resistant to chemicals and oils</li> <li>■ UV and ozone resistance</li> <li>■ Flame retardant</li> <li>■ Free from halogen, silicone, PVC and LABS</li> <li>■ M12 male, straight, 2-pin + PE</li> </ul>	
VAS22-S80E-3-RSC5.31T/TXL	-	Ident. no. 6606634
	<p>Valve connector A type Extension Cable</p> <ul style="list-style-type: none"> <li>■ 2-pin + PE</li> <li>■ Design according to the DIN EN 175301-803</li> <li>■ RoHS-compliant</li> <li>■ Protection class: IP65, IP67, IP68</li> <li>■ Protective component: Transil diode</li> <li>■ Cable length 3 m</li> <li>■ Sheath material: PUR</li> <li>■ Sheath color: black</li> <li>■ Qualified for drag chain use</li> <li>■ Resistant to weld splatter</li> <li>■ Resistant to chemicals and oils</li> <li>■ UV and ozone resistance</li> <li>■ Flame retardant</li> <li>■ Free from halogen, silicone, PVC and LABS</li> <li>■ M12 male, straight, 2-pin + PE</li> </ul>	

## Connectivity – Field-wireable Connectors

<b>B8141-0</b>	–	<b>Ident. no. 69049</b>
	<p>M12 x 1 Round Connector Field wireable, female connector, straight</p> <ul style="list-style-type: none"> <li>■ Plastic coupling nut</li> <li>■ UL approval</li> <li>■ A-coded</li> <li>■ 4-pin</li> <li>■ Screw-clamp terminal</li> </ul>	
<b>BS8141-0</b>	–	<b>Ident. no. 69010</b>
	<p>M12 x 1 Round Connector Field wireable, male connector, straight</p> <ul style="list-style-type: none"> <li>■ Metal coupling nut</li> <li>■ UL approval</li> <li>■ A-coded</li> <li>■ 4-pin</li> <li>■ Screw-clamp terminal</li> </ul>	
<b>B8181-0</b>	–	<b>Ident. no. 6904605</b>
	<p>M12 x 1 Round Connector Field wireable, female connector, straight</p> <ul style="list-style-type: none"> <li>■ Metal coupling nut</li> <li>■ A-coded</li> <li>■ 8-pin</li> <li>■ Screw-clamp terminal</li> </ul>	
<b>B4131-0/9</b>	–	<b>Ident. no. 6914501</b>
	<p>7/8" Round Connector Field wireable, female connector, straight</p> <ul style="list-style-type: none"> <li>■ Metal coupling nut</li> <li>■ Oil-resistant</li> <li>■ UL approval</li> <li>■ 3-pin</li> <li>■ Screw-clamp terminal</li> </ul>	

## Connectivity – Accessories

FKSD-FKSD-44

–

Ident. no. 6935264



- Accessories for Fieldbus Systems  
Ethernet Adapter and Wall Feedthrough M12 Female Connector
- For Industrial Ethernet
  - M12 × 1 female on M12 × 1 female, 4-pin
  - Mounting thread: M16 × 1.5
  - D-coded
  - Voltage: 48 V
  - Ampacity: 4 A
  - Temperature: -30...+85 °C
  - Protection class: IP67

## Fieldbus Technology – I/O System

**BL20-E-GW-DP**

–

**Ident. no. 6827250**


- Gateway for the BL20 I/O System  
Interface for PROFIBUS-DP
- DIP switch for adjustment of the node address
  - Protection class IP20
  - 2 x end brackets BL20-WEW35/2-SW
  - 1 x end plate BL20-ABPL
  - Gateway between the BL20 system and PROFIBUS-DPV0/DPV1
  - 12 Mbps
  - Push-in clamps
  - Bus termination resistor switchable via DIP switch
  - Integrated power supply
  - LEDs for display of supply voltage, group and bus errors


**BL20-E-4IOL**

–

**Ident. no. 6827385**


- BL20 ECO Module  
4 IO-Link Master Channels  
4 Configurable Digital Channels, PNP, Channel Diagnostics, 0.5 A
- Fieldbus-independent
  - Electronics and connection technology in one housing
  - Connectivity: Push-in terminals
  - Protection class IP20
  - IO-Link master acc. to specification V1.1, 4-channel
  - 4 universal digital channels, PNP, channel diagnostics, 0.5 A
  - LEDs indicate status and diagnostic
  - Electronics galvanically separated from the field level via optocouplers

## Fieldbus Technology – I/O Modules

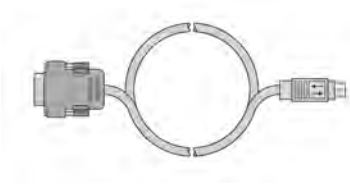
SDPB-0202D-1003	–	Ident. no. 6824413
	<p>piconet® stand-alone module for PROFIBUS-DP 2-channel up/down counter</p> <ul style="list-style-type: none"> <li>■ Up/down counter</li> <li>■ 2-channel</li> <li>■ Switching frequency 100 kHz</li> <li>■ Configuration interface</li> <li>■ Parametrizable functions</li> <li>■ Supported via I/O-ASSISTANT 2</li> </ul>	
FEN20-16DXP	–	Ident. no. 6931089
	<p>Compact IP20 multiprotocol Ethernet I/O module 16 universal digital channels</p> <ul style="list-style-type: none"> <li>■ EtherNet/IP™ slave</li> <li>■ Modbus TCP slave</li> <li>■ PROFINET slave</li> <li>■ 2 RJ45 ports for the Ethernet connection</li> <li>■ Integrated Ethernet switch</li> <li>■ 10/100 Mbps</li> <li>■ 16 universal digital channels, DI / DO</li> <li>■ 24 VDC, PNP</li> <li>■ Output current: 1.0 A</li> </ul>	
TBEN-L5-8IOL	–	Ident. no. 6814017
	<p>Compact Multiprotocol I/O Module for Ethernet 8 IO-Link Master Channels 4 Universal Digital PNP Channels, 2 A, Channel Diagnostics IO-Link master port Class A and Class B, 2 × M12, 4-pole, D-coded, Ethernet fieldbus connection EtherNet/IP™, Modbus TCP, PROFINET MEtal connector Integrated Ethernet switch</p>	
TBIL-M1-16DXP	–	Ident. no. 6814102
	<p>I/O Hub for Connection of Digital Signals to IO-Link Master 16 Universal Digital Channels, PNP</p> <ul style="list-style-type: none"> <li>■ Rugged, fully potted I/O hub in IP67</li> <li>■ IO-Link diagnostics for short-circuit and supply voltage</li> <li>■ 2 universal digital channels per port</li> <li>■ Metal connector</li> </ul>	

## Fieldbus Technology – Accessories

I/O-ASSISTANT-KABEL-BL20/BL67

–

Ident. no. 6827133



Accessories for BL20 and BL67

RS232 Adapter Cable for the BL67/BL20 Service Interface

- RS232 adapter cable
- For BL67 service port (PS2)
- for connection of the engineering software I/O-ASSISTANT
- For commissioning support
- For system diagnostics
- 9-pin SUB-D connector
- PS2 connector
- Cable length: 2.5 m

## Power Supplies for the Field IP67

PSU67-11-2440/P

-

Ident. no. 6884257



- Compact power supply module in IP67  
24 VDC output voltage - 3.8 A output current
- CE-compliant
  - UL-certified
  - RoHS-compliant
  - Safety extra-low voltage (SELV) according to EN 60950-1: 2016 + A11: 2009 + A1: 2010 + A12: 2011 + A2: 2013 (safety of information technology equipment)
  - EN 61000-6-2: 2005 (interference immunity)
  - EN 61000-6-3: 2007 + A1: 2011 (emitted interference)
  - EN 61000-3-2: 2006 + A1: 2009 + A2: 2009 (harmonic)
  - AC and DC wide-range input
  - Mains buffering up to 50 ms
  - High efficiency
  - No-load and short-circuit proof
  - Natural air cooling
  - Broad temperature range
  - Status LED
-



## LED Technology – Work Lights

**WLS28-2XGR-285XQ**

–

**Ident. no. 3092771**

- work light  
linear light
- Light beam: 285mm
  - Operating voltage: 12...30 VDC
  - Protection class: IP67 / IP69K
  - M12 x 1 male, straight, 4-pin
  - Color 1: Green (100% light intensity)
  - Color 2: Red (100% light intensity)
  - Two-color linear light





**WLS27CWGRYB5-0285DS24Q**

–




**Ident. no. 3802093**

- work light  
Linear Light
- Cylindrical illuminated area
  - Cascadable
  - Operating voltage: 12...30 VDC
  - Protection classes IP67 IP69K
  - M12 x 1 male, straight, 4-pin
  - Ambient temperature: -40...+70 °C
  - Light length L1: 285 mm
  - Housing length L2: 358 mm
  - Automatic temperature monitoring
  - Colors: White (COL 1), Green (COL 2), Red (COL 3), Yellow (COL 4), Blue (COL 5)

## LED Technology – Indicators

<b>K30LGRYPQ</b>	–	<b>Ident. no. 3078925</b>
	LED indicator Beacon <ul style="list-style-type: none"> <li>■ LED all-round visible</li> <li>■ Individually controllable</li> <li>■ Mechanical screw-in thread M22 x 1.5</li> <li>■ Protection class IP67</li> <li>■ Male M12 x 1</li> <li>■ Operating voltage 10...30 VDC</li> <li>■ Multicolor: Green (COL 1) / Red (COL 2) / Yellow (COL 3)</li> </ul>	
<b>K50LGRYPQ</b>	–	<b>Ident. no. 3075671</b>
	LED indicator Beacon <ul style="list-style-type: none"> <li>■ All-round LED display</li> <li>■ Individually controllable</li> <li>■ Mechanical screw-in thread M30 x 1.5</li> <li>■ Protection classes IP67/IP69K</li> <li>■ Male M12 x 1</li> <li>■ Operating voltage 18...30 VDC</li> <li>■ Multicolor: Green (COL 1) / Red (COL 2) / Yellow (COL 3)</li> </ul>	
<b>K50L2RGBKQ</b>	–	<b>Ident. no. 3802158</b>
	LED indicator Beacon <ul style="list-style-type: none"> <li>■ All-round LED display</li> <li>■ Individually controllable</li> <li>■ Mechanical screw-in thread M30 x 1.5</li> <li>■ Protection classes IP67/IP69K</li> <li>■ Male M12 x 1</li> <li>■ Operating voltage 18...30 VDC</li> <li>■ Up to 12 predefined colors or millions of customized colors can be displayed</li> <li>■ Flashing function, alternation, two-colored displays and intensity check</li> </ul>	
<b>T8LGRXPQ</b>	–	<b>Ident. no. 3076420</b>
	LED indicator Beacon <ul style="list-style-type: none"> <li>■ LED</li> <li>■ Individually controllable</li> <li>■ Mechanical screw-in thread M18 x 1</li> <li>■ Protection class IP67</li> <li>■ Cable with male end M12 x 1</li> <li>■ Operating voltage 10...30 VDC</li> </ul> Cable length 0.15 m <ul style="list-style-type: none"> <li>■ Multicolor: Green (COL 1) / Red (COL 2)</li> </ul>	

## LED Technology – Image Processing

LEDRRV70XD5-PM	–	Ident. no. 3097364
	<p>Vision systems Ring Light</p> <ul style="list-style-type: none"> <li>■ Close-range illumination</li> <li>■ Protection class: IP50</li> <li>■ Power Supply: 24 VDC</li> <li>■ Light intensity adjusted via potentiometer</li> <li>■ Color: red</li> </ul>	
MQDC2S-1206	–	Ident. no. 3011420
	<p>Vision systems Connection cable</p> <ul style="list-style-type: none"> <li>■ For: <ul style="list-style-type: none"> <li>■ IP68 Sealed P4</li> <li>■ iVu BCR (with integrated display)</li> <li>■ iVu Plus</li> </ul> </li> <li>■ CE compliance</li> <li>■ Female connector, M12 x 1, 12-pin</li> <li>■ Cable diameter 7.50mm</li> <li>■ Straight version</li> <li>■ Cable length: 1.83m</li> </ul>	
LCF35LMP	–	Ident. no. 3074079
	<p>Vision systems</p> <ul style="list-style-type: none"> <li>■ Version for 1.3 megapixel sensor</li> <li>■ Focal distance 35 mm</li> </ul> <p>Focal distance: 35 mm</p>	
LCF12LMP	–	Ident. no. 3074299
	<p>Vision systems</p> <ul style="list-style-type: none"> <li>■ Version for 1.3 megapixel sensor</li> <li>■ Focal distance 12 mm</li> </ul> <p>Focal distance: 12 mm</p>	

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