

Your Global Automation Partner

TURCK



Catalog 2021

OEMs and Machine Builders

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Contacts

Inside Sales/Support

	Phone	+36 1 477-0740
Turck Hungary Kft.	Internet	www.turck.hu
Árpád fejedelem útja 26-28.		
1023 Budapest	E-Mail	hungary@turck.com

Sensor Technology – Inductive Sensors

BI1-EH03-AP6X**Ident-No. 1619325**

- Inductive Sensor
- Rated switching distance: 1 mm, Flush
 - Smooth barrel, Ø 3 mm
 - Stainless steel, 1.4301
 - DC 3-wire, 10...30 VDC
 - NO contact, PNP output
 - Cable connection
 - Cable length: 2 m

BI1U-EH04-AP6X**Ident-No. 4602112**

- Inductive Sensor
- Rated switching distance: 1 mm, Flush
 - Smooth barrel, Ø 4 mm
 - Stainless steel, 1.4427 SO
 - DC 3-wire, 10...30 VDC
 - NO contact, PNP output
 - Cable connection
 - Factor 1 for all metals
 - Resistant to magnetic fields
 - Large switching distance
 - Cable length: 2 m

BI1U-EH04-AP6X-0.3-PSG3M**Ident-No. 4602123**

- Inductive Sensor
- Rated switching distance: 1 mm, Flush
 - Smooth barrel, Ø 4 mm
 - Stainless steel, 1.4427
 - DC 3-wire, 10...30 VDC
 - NO contact, PNP output
 - M8 x 1 male connector
 - Factor 1 for all metals
 - Resistant to magnetic fields
 - Large switching distance
 - Cable length: 0.3 m

BI1-EG04-AP6X**Ident-No. 1619327**

- Inductive Sensor
- Rated switching distance: 1 mm, Flush
 - Threaded barrel, M4 x 0.5
 - Stainless steel, 1.4305
 - DC 3-wire, 10...30 VDC
 - NO contact, PNP output
 - Cable connection
 - Cable length: 2 m

BI1U-EG05-AP6X**Ident-No. 4602116**

- Inductive Sensor
- Rated switching distance: 1 mm, Flush
 - M5 x 0.5 threaded barrel
 - Stainless steel, 1.4427 SO
 - DC 3-wire, 10...30 VDC
 - NO contact, PNP output
 - Cable connection
 - Factor 1 for all metals
 - Resistant to magnetic fields
 - Large switching distance
 - Cable length: 2 m

BI1-EG05-AP6X-0.3-PSG3M	Ident-No. 4609759
	Inductive Sensor ■ Rated switching distance: 1 mm, Flush ■ Threaded barrel, M5 × 0.5 ■ Stainless steel, 1.4427 SO ■ DC 3-wire, 10...30 VDC ■ NO contact, PNP output ■ Pigtail with male end M8 × 1 ■ Cable length: 0.3 m
BI2-Q4.7-AP6X	Ident-No. 1614000
	Inductive Sensor ■ Rated switching distance: 2 mm, Flush ■ Rectangular, height 4.7 mm ■ Active face on top ■ Metal housing, GD-ZnAl ■ DC 3-wire, 10...30 VDC ■ NO contact, PNP output ■ Cable connection ■ Cable length: 2 m
BI2-Q4.7-AP6X-0.3-PSG3M	Ident-No. 1614005
	Inductive Sensor ■ Rated switching distance: 2 mm, Flush ■ Rectangular, height 4.7 mm ■ Active face on top ■ Metal housing, GD-ZnAl ■ DC 3-wire, 10...30 VDC ■ NO contact, PNP output ■ Pigtail with male end M8 × 1 ■ Cable length: 0.3 m
BI2-M08-AP6X-V1131	Ident-No. 4602903
	Inductive Sensor With Increased Switching Distance ■ Rated switching distance: 2 mm, Flush ■ Threaded barrel, M8 × 1 ■ Nickel-plated brass ■ DC 3-wire, 10...30 VDC ■ NO contact, PNP output ■ M8 × 1 male connector ■ Large sensing range
BI2-M08E-AP6X-V1131	Ident-No. 4602956
	Inductive Sensor With Increased Switching Distance ■ Rated switching distance: 2 mm, Flush ■ Threaded barrel, M8 × 1 ■ Nickel-plated brass ■ DC 3-wire, 10...30 VDC ■ NO contact, PNP output ■ M8 × 1 male connector ■ Large sensing range
BI2-M08K-AP6X-V1131	Ident-No. 4602968
	Inductive Sensor With Increased Switching Distance ■ Rated switching distance: 2 mm, Flush ■ Threaded barrel, M8 × 1 ■ Nickel-plated brass ■ DC 3-wire, 10...30 VDC ■ NO contact, PNP output ■ M8 × 1 male connector ■ Large sensing range

BI4-M12-AP6X-H1141	Ident-No. 46070
	Inductive Sensor With Increased Switching Distance ■ Rated switching distance: 4 mm, Flush ■ M12 × 1 threaded barrel ■ Chrome-plated brass ■ DC 3-wire, 10...30 VDC ■ NO contact, PNP output ■ M12 × 1 male connector ■ Large sensing range
BI4-M12E-VP6X-H1141	Ident-No. 4608031
	Inductive Sensor With Increased Switching Distance ■ Rated switching distance: 4 mm, Flush ■ M12 × 1 threaded barrel ■ Long version ■ Chrome-plated brass ■ DC 4-wire, 10...30 VDC ■ Changeover contact, PNP output ■ M12 × 1 male connector ■ Large sensing range
BI8-M18-AP6X-H1141	Ident-No. 46150
	Inductive Sensor With Increased Switching Distance ■ Rated switching distance: 8 mm, Flush ■ Threaded barrel, M18 × 1 ■ Chrome-plated brass ■ DC 3-wire, 10...30 VDC ■ NO contact, PNP output ■ M12 × 1 male connector ■ Large sensing range
BI8-M18E-VP6X-H1141	Ident-No. 4605226
	Inductive Sensor With Increased Switching Distance ■ Rated switching distance: 8 mm, Flush ■ Threaded barrel, M18 × 1 ■ Chrome-plated brass ■ DC 4-wire, 10...30 VDC ■ Changeover contact, PNP output ■ M12 × 1 male connector ■ Large sensing range
BI15-M30-VP6X-H1141	Ident-No. 4590718
	Inductive Sensor With Increased Switching Distance ■ Rated switching distance: 15 mm, Flush ■ M30 × 1.5 threaded tube ■ Chrome-plated brass ■ DC 4-wire, 10...30 VDC ■ Changeover contact, PNP output ■ M12 × 1 male connector ■ Large sensing range
NI5-M08-AP6X-V1131	Ident-No. 4602921
	Inductive Sensor With Increased Switching Distance ■ Rated switching distance: 5 mm, Non-flush ■ Threaded barrel, M8 × 1 ■ Nickel-plated brass ■ DC 3-wire, 10...30 VDC ■ NO contact, PNP output ■ M8 × 1 male connector ■ Large sensing range

NI5-M08-AP6X-H1341	Ident-No. 4602922
	Inductive Sensor With Increased Switching Distance ■ Rated switching distance: 5 mm, Non-flush ■ Threaded barrel, M8 × 1 ■ Nickel-plated brass ■ DC 3-wire, 10...30 VDC ■ NO contact, PNP output ■ M12 × 1 male connector ■ Large sensing range
NI5-M08-VP6X-H1341	Ident-No. 4603042
	Inductive Sensor With Increased Switching Distance ■ Rated switching distance: 5 mm, Non-flush ■ Threaded barrel, M8 × 1 ■ Nickel-plated brass ■ DC 4-wire, 10...30 VDC ■ Changeover contact, PNP output ■ M12 × 1 male connector ■ Large sensing range
NI5-M08-VP6X-V1141	Ident-No. 4603043
	Inductive Sensor With Increased Switching Distance ■ Rated switching distance: 5 mm, Non-flush ■ Threaded barrel, M8 × 1 ■ Nickel-plated brass ■ DC 4-wire, 10...30 VDC ■ Changeover contact, PNP output ■ M8 × 1 male connector ■ Large sensing range
NI8-M12-AP6X-H1141	Ident-No. 4611310
	Inductive Sensor With Increased Switching Distance ■ Rated switching distance: 8 mm, Non-flush ■ M12 × 1 threaded barrel ■ Chrome-plated brass ■ DC 3-wire, 10...30 VDC ■ NO contact, PNP output ■ M12 × 1 male connector ■ Large sensing range
NI8-M12-VP6X-H1141	Ident-No. 4611324
	Inductive Sensor With Increased Switching Distance ■ Rated switching distance: 8 mm, Non-flush ■ M12 × 1 threaded barrel ■ Chrome-plated brass ■ DC 4-wire, 10...30 VDC ■ Changeover contact, PNP output ■ M12 × 1 male connector ■ Large sensing range

NI14-M18-AP6X-H1141	Ident-No. 4611400
	Inductive Sensor With Increased Switching Distance ■ Rated switching distance: 14 mm, Non-flush ■ Threaded barrel, M18 × 1 ■ Chrome-plated brass ■ DC 3-wire, 10...30 VDC ■ NO contact, PNP output ■ M12 × 1 male connector ■ Large sensing range
NI14-M18-VP6X-H1141	Ident-No. 4590620
	Inductive Sensor With Increased Switching Distance ■ Rated switching distance: 14 mm, Non-flush ■ Threaded barrel, M18 × 1 ■ Chrome-plated brass ■ DC 4-wire, 10...30 VDC ■ Changeover contact, PNP output ■ M12 × 1 male connector ■ Large sensing range
NI20-M30-AP6X-H1141	Ident-No. 4670510
	Inductive Sensor With Increased Switching Distance ■ Rated switching distance: 20 mm, Non-flush ■ M30 × 1.5 threaded tube ■ Chrome-plated brass ■ DC 3-wire, 10...30 VDC ■ NO contact, PNP output ■ M12 × 1 male connector ■ Large sensing range
NI20-M30-VP6X-H1141	Ident-No. 4590612
	Inductive Sensor With Increased Switching Distance ■ Rated switching distance: 20 mm, Non-flush ■ M30 × 1.5 threaded tube ■ Chrome-plated brass ■ DC 4-wire, 10...30 VDC ■ Changeover contact, PNP output ■ M12 × 1 male connector ■ Large sensing range
NI50U-QV40-AP6X2-H1141	Ident-No. 1625853
	Inductive Sensor ■ Rated switching distance: 50 mm, Non-flush ■ Rectangular, height 40 mm ■ Variable orientation of active face in 5 directions without tools ■ Plastic, PBT-GF30-V0 ■ High luminance corner LEDs ■ Optimum view on supply voltage and switching state from any position ■ DC 3-wire, 10...30 VDC ■ NO contact, PNP output ■ M12 × 1 male connector ■ Factor 1 for all metals ■ Increased switching distance ■ Protection class IP68 ■ Resistant to magnetic fields ■ Auto-compensation protects against pre-damping ■ Partially embeddable

NI50U-CK40-VP4X2-H1141

Ident-No. 1538302



Inductive Sensor

- Rated switching distance: 50 mm, Non-flush
- Rectangular, height 40 mm
- Variable orientation of active face in 5 directions
- Plastic, PBT-GF30-V0
- High luminance corner LEDs
- Optimum view on supply voltage and switching state from any position
- DC 4-wire, 10...65 VDC
- Changeover contact, PNP output
- M12 × 1 male connector
- Factor 1 for all metals
- Increased switching distance
- Protection class IP68
- Resistant to magnetic fields
- Auto-compensation protects against pre-damping
- Partially embeddable

Sensor Technology – Magnetic Field Sensors

BIM-UNT-AP7X**Ident-No. 4685740**

Magnetic Field Sensor
For Pneumatic Cylinders

- For T-groove cylinders without mounting accessories
- Optional accessories for mounting on other cylindrical housings.
- One-hand mounting possible
- Fine adjustment tool and stopper directly mountable on the sensor
- Stable mounting
- DC 3-wire, 10...30 VDC
- NO contact, PNP output
- Cable connection
- Cable length: 2 m
- Magneto-resistive sensor

BIM-UNT-AP7X-0.3-PSG3S**Ident-No. 4685742**

Magnetic Field Sensor
For Pneumatic Cylinders

- For T-groove cylinders without mounting accessories
- Optional accessories for mounting on other cylindrical housings.
- One-hand mounting possible
- Fine adjustment tool and stopper directly mountable on the sensor
- Stable mounting
- DC 3-wire, 10...30 VDC
- NO contact, PNP output
- Pigtail with male end, Ø 8 mm
- Cable length: 0.3 m
- Magneto-resistive sensor

Sensor Technology – Photoelectric Sensors

Q20PDQ5	Ident-No. 3078191
	Photoelectric Sensor Diffuse Mode Sensor ■ Cable with male end, M12 × 1, 4-pin, PVC, 150 mm ■ Protection class IP67 ■ Operating voltage: 10...30 VDC ■ PNP switching output, changeover ■ LED all-round visible ■ Sensitivity adjusted via potentiometer ■ Max. range: 250 mm
Q20PLPQ5	Ident-No. 3078193
	Photoelectric Sensor Retroreflective Sensor with Polarizing Filter ■ Cable with male end, M12 × 1, 4-pin, PVC, 150 mm ■ Protection class IP67 ■ Operating voltage: 10...30 VDC ■ PNP switching output, changeover ■ LED all-round visible ■ Sensitivity adjusted via potentiometer ■ Max. range: 4000 mm
QS18VP6LDQ5	Ident-No. 3073043
	Photoelectric Sensor Diffuse Mode Laser Sensor ■ Cable with male end, M12 × 1, 4-pin, PVC, 150 mm ■ Protection class IP67 ■ Operating voltage: 10...30 VDC ■ PNP switching output, changeover ■ LED all-round visible ■ Sensitivity adjusted via potentiometer ■ Max. range: 300 mm
QS18VP6LLPQ5	Ident-No. 3073244
	Photoelectric Sensor Retroreflective Laser Sensor with Polarizing Filter ■ Cable with male end, M12 × 1, 4-pin, PVC, 150 mm ■ Protection class IP67 ■ Operating voltage: 10...30 VDC ■ PNP switching output, changeover ■ LED, all-round visible ■ Sensitivity adjusted via potentiometer ■ Microprism reflector BRT-51X51BM recommended for ranges up to 10 m and self-adhesive reflector film BRT-TVHG-2X2 for ranges up to 1.5 m; included in scope of delivery ■ Max. range: 10000 mm
BRT-2X2	Ident-No. 3040071
	Accessories Reflector ■ Rectangular design ■ Reflection coefficient 1 ■ (Reference BRT-3) ■ Reflective area 0.5

BRT-35X35BM	Ident-No. 3072483
	Accessories Reflector ■ Rectangular design ■ Reflection coefficient 1.2 ■ (Reference BRT-3) ■ Reflective area 0.19
	Accessories Microprism ■ Rectangular design ■ Reflection coefficient 1.5 ■ (Reference BRT-3) ■ Reflective area 0.45
	Accessories Mounting Bracket ■ Mounting bracket ■ Stainless steel ■ For Q20
	Accessories Mounting Bracket ■ Mounting bracket ■ M18 ■ Stainless steel
	Accessories Mounting Bracket ■ Mounting bracket ■ Stainless steel ■ For QS18/QS18U and MINI-BEAM
	Photoelectric Sensor Photoelectric Sensor for Plastic Fibers ■ Cable with male end M12 × 1 ■ Operating voltage: 10...30 VDC ■ PNP output ■ Light/dark operation ■ Visible red light ■ Programming via teach cable or multi-function button

PBT43U-VL	Ident-No. 3087513
	Plastic Fiber Bifurcated Fiber ■ Optical fiber, total length: ± 914 mm ■ Operation: diffuse/opposed mode ■ Polyethylene sheath, flexible ■ Operating temperature: $-30 \dots +70$ °C ■ Cable, straight, customizable ■ Optical fiber, core diameter 1.0 mm ■ End sleeve for sensor: Thread ■ Strain relief
PBT46U-VL	Ident-No. 3087514
	Plastic Fiber Bifurcated Fiber ■ Optical fiber, total length: ± 1829 mm ■ Operation: diffuse/opposed mode ■ Polyethylene sheath, flexible ■ Operating temperature: $-30 \dots +70$ °C ■ Cable, straight, customizable ■ Optical fiber, core diameter 1.0 mm ■ End sleeve for sensor: Thread ■ Strain relief
PBAT43UTA-VL	Ident-No. 3093058
	Plastic Fiber Bifurcated Fiber ■ Optical fiber, total length: ± 914 mm ■ Operation: diffuse/opposed mode ■ Polyethylene sheath, flexible ■ Operating temperature: $-30 \dots +70$ °C ■ Cable, straight, customizable ■ Optical fiber, core diameter 1.0 mm ■ End sleeve for probe, angled (90°), threaded ■ Strain relief
PIT23UM4-VL	Ident-No. 3087723
	Plastic Fiber Single Conductor ■ Optical fiber, total length: ± 914 mm ■ Operation: opposed mode ■ 2 pcs. included in delivery ■ Polyethylene sheath, flexible ■ Operating temperature: $-30 \dots +70$ °C ■ Cable, straight, customizable ■ Optical fiber, core diameter 0.5 mm ■ End sleeve for sensor: Thread ■ Strain relief
PIAT43UTA-VL	Ident-No. 3093161
	Plastic Fiber Single Conductor ■ Optical fiber, total length: ± 914 mm ■ Operation: opposed mode ■ 2 pcs. included in delivery ■ Polyethylene sheath, flexible ■ Operating temperature: $-30 \dots +70$ °C ■ Cable, straight, customizable ■ Optical fiber, core diameter 1.0 mm ■ End sleeve for probe, angled (90°), threaded ■ Strain relief

PIT46U-VL	Ident-No. 3087544
	Plastic Fiber Single Conductor ■ Optical fiber, total length: ± 1829 mm ■ Operation: opposed mode ■ 2 pcs. included in delivery ■ Polyethylene sheath, flexible ■ Operating temperature: $-30 \dots +70$ °C ■ Cable, straight, customizable ■ Optical fiber, core diameter 1.0 mm ■ End sleeve for sensor: Thread ■ Strain relief
PBT23U-VL	Ident-No. 3087531
	Plastic Fiber Bifurcated Fiber ■ Optical fiber, total length: ± 914 mm ■ Operation: diffuse/opposed mode ■ Polyethylene sheath, flexible ■ Operating temperature: $-30 \dots +70$ °C ■ Cable, straight, customizable ■ Optical fiber, core diameter 0.5 mm ■ End sleeve for sensor: Thread ■ Strain relief
Q4XTBLAF100-Q8	Ident-No. 3091290
	Photoelectric Sensor Laser Distance Sensor (Triangulation) ■ 4-digit 7-segment LED display ■ 3 buttons ■ Output indicator (yellow) ■ IP67/69K ■ ECOLAB-certified ■ Operating voltage: $12 \dots 30$ VDC ■ 1 $\times$ PNP, 1 $\times$ NPN switching output ■ Range: $25 \dots 100$ mm ■ Laser class 1, red, 655 nm, acc. to IEC 60825-1:2007 ■ Max. range: 100 mm
Q4XTBLAF300-Q8	Ident-No. 3094118
	Photoelectric Sensor Laser Distance Sensor (Triangulation) ■ 4-digit 7-segment LED display ■ 3 buttons ■ Output indicator (yellow) ■ IP67/69K ■ ECOLAB-certified ■ Operating voltage: $12 \dots 30$ VDC ■ 1 $\times$ PNP, 1 $\times$ NPN switching output ■ Range: $25 \dots 300$ mm ■ Laser class 1, red, 655 nm, acc. to IEC 60825-1:2007 ■ Max. range: 300 mm
Q4XTBLAF500-Q8	Ident-No. 3802595
	Photoelectric Sensor Laser Distance Sensor (Triangulation) ■ 4-digit 7-segment LED display ■ 3 buttons ■ Output indicator (yellow) ■ IP67/69K ■ ECOLAB-certified ■ Operating voltage: $12 \dots 30$ VDC ■ 1 $\times$ PNP, 1 $\times$ NPN switching output ■ Range: $25 \dots 500$ mm ■ Laser class 1, red, 655 nm, acc. to IEC 60825-1:2007 ■ Max. range: 500 mm

Q4XTKLAF600-Q8

Ident-No. 3801918



- Photoelectric Sensor
Laser Distance Sensor (Triangulation)
- Transmission of process value and parameterization via IO-link
 - 4-digit 7-segment LED display
 - 3 buttons
 - Output indicator (yellow)
 - IP67/69K
 - ECOLAB-certified
 - Operating voltage: 12...30 VDC
 - Output 1: PNP switching output with IO-Link communication
 - Output 2: PNP switching output, teach-in input, laser control, synchronization or pulse frequency modulation (PFM)
 - Range: 25...600 mm
 - Laser class 1, red, 655 nm, acc. to IEC 60825-1:2007
 - Max. range: 600 mm

Q5XKLAF2000-Q8

Ident-No. 3803693



- Photoelectric Sensor
Laser Diffuse Mode Sensor with Adjustable Background Suppression
- 4-digit 7-segment display
 - Adjustable via pushbutton on the housing or IO-Link
 - Protection class IP67
 - M12 × 1 male connector, 4-pin, rotatable
 - Operating voltage: 10...30 VDC
 - Output 1: PNP/NPN switching output with IO-Link communication
 - Output 2: PNP/NPN switching output; teach-in input, laser control, synchronization or pulse frequency modulation (PFM)
 - Laser class 2, 650 nm, acc. to IEC 60825-1:2007
 - Range: 95...2000 mm
 - Adjustable response time: 3, 5, 15, 25 or 50 ms
 - Max. range: 2000 mm

LE250KQ

Ident-No. 3097763



- Photoelectric Sensor
Laser Scanning System
- Transmission of process value and parametrization via IO-link
 - 2-line, 8-segment display
 - Rotatable connector, male M12 × 1, 5-pin
 - Operating voltage: 12...30 VDC
 - 1 × PNP switching output with IO-Link communication
 - Range: 100...400 mm
 - Laser class 2, red, 650 nm, acc. to IEC 60825-1:2007
 - Resolution at 100 mm...250 mm distance: < 0.02 mm
 - Resolution at 250 mm...400 mm distance: < 0.2 mm
 - Max. range: 400 mm

LM80KIQP

Ident-No. 3807393



- Photoelectric Sensor
Laser Sensor, Diffuse Mode (triangulation)
- Stainless steel housing
 - Protection class IP67
 - Connection via 300 mm cable with connector, M12 × 1, 5-pin
 - Operating voltage: 10...30 VDC
 - Push/pull switching output or IO-Link
 - Analog output 4...20 mA
 - Laser class 2
 - Visible red, 655 nm
 - Analog output accuracy: 0.002 mm
 - IO-Link accuracy: 0.175 mm
 - Range: 40...80 mm
 - Max. range: 80 mm

LM150KIQP**Ident-No. 3803940**

- Photoelectric Sensor
Laser Sensor, Diffuse Mode (triangulation)
- Stainless steel housing
 - Protection class IP67
 - Connection via 300 mm cable with connector, M12 × 1, 5-pin
 - Operating voltage: 10...30 VDC
 - Push/pull switching output or IO-Link
 - Analog output 4...20 mA
 - Laser class 2
 - Visible red, 655 nm
 - Analog output accuracy: 0,004 mm
 - IO-Link accuracy: 0.2 mm
 - Range: 50...150 mm
 - Max. range: 150 mm
-

Sensor Technology – Pick-to-Light

K50PTVKQ	Ident-No. 3807917
	Pick-to-Light Placement Sensor Capacitive Sensor ■ Capacitive sensor of the second generation ■ High immunity to false actuation by splashing, detergents, oils and other contaminants ■ Vibration feedback ■ Protection class IP67/IP69K ■ M12 × 1 connector ■ Parameterizable via IO-Link ■ Flexible display with RGB LEDs ■ Control of user-defined or predefined light colors ■ Flashing function, alternation, two-colored display and intensity check
K50PTKQ	Ident-No. 3806180
	Pick-to-Light Placement Sensor Capacitive Sensor ■ Capacitive sensor of the second generation ■ High immunity to false actuation by splashing, detergents, oils and other contaminants ■ Protection class IP67/IP69K ■ M12 × 1 connector ■ Parameterizable via IO-Link ■ Flexible display with RGB LEDs ■ Control of user-defined or predefined light colors ■ Flashing function, alternation, two-colored display and intensity check
K50PFF100KQ	Ident-No. 3808238
	Pick-to-Light Placement Sensor Diffuse Mode Sensor with Fixed-field Background Suppression ■ Protection class IP67 ■ M12 × 1 male connector, 4-pin ■ Fixed background suppression at 100 mm ■ Parameterizable via IO-Link ■ Flexible display with RGB LEDs ■ Control of user-defined or predefined light colors ■ Flashing function, alternation, two-colored display and intensity check ■ Max. range: 100 mm
PVD100Q	Ident-No. 3070989
	Pick-to-Light Placement Sensor Light Grid ■ 4-beam system, beam spacing 28.6 mm ■ Scan field 111 mm ■ Range max. 2 m with reflector and max. 400 mm in diffuse mode ■ Protection class IP62 ■ Cable with male end M12 × 1, 5-pin, 2 m ■ Operating voltage 12...30 VDC ■ Non-actuated current consumption: < 20 mA, < 70 mA with activated job light ■ DIP switches for adjustment of PNP/NPN switching output, NO/NC output and work light ■ Cable length: 0.15 m ■ Job light: green ■ Mispick: red ■ Max. range: 400 mm

PVD225Q**Ident-No. 3070991**

- Pick-to-Light
Placement Sensor
Light Grid
- 8-beam system, beam spacing 28.6 mm
 - Scan field 240 mm
 - Range max. 2 m with reflector and max. 400 mm in diffuse mode
 - Protection class IP62
 - Cable with M12 × 1 male receptacle, 5-pin, 2 m
 - Operating voltage 12...30 VDC
 - Non-actuated current consumption: < 20 mA, < 70 mA with activated job light
 - DIP switches for adjustment of PNP/NPN switching output, NO/NC output and work light
 - Cable length: 0.15 m
 - Job light: green
 - Mispick: red
 - Max. range: 400 mm

Vision

VE205G1A	Ident-No. 3803203
	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 × PNP/NPN, input/output ■ External trigger input ■ Connection for external lighting ■ Supports Ethernet protocol PROFINET, EtherNet/IP and Modbus/TCP ■ 1" CMOS, 5 MP image sensor
VE202G1A	Ident-No. 3094843
	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 × 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 ■ Focal distance: 4 mm
VE201G1A	Ident-No. 3801542
	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 × PNP/NPN, input/output ■ External trigger input ■ Connection for external lighting ■ Supports Ethernet protocol PROFINET, EtherNet/IP and Modbus/TCP ■ 1/1.8" CMOS, 1.3 MP image sensor ■ Focal distance: 12 mm
VE200G1A	Ident-No. 3800974
	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 × PNP/NPN, input/output ■ External trigger input ■ Connection for external lighting ■ Supports Ethernet protocol PROFINET, EtherNet/IP and Modbus/TCP ■ 1/1.8" CMOS, 0.3 MP image sensor

MQDC2S-1215**Ident-No. 3011421**

- Vision Systems
Connection Cable
- For:
 - IP68 Sealed P4
 - iVu BCR (with integrated display)
 - iVu Plus
 - CE compliance
 - Female connector, M12 × 1, 12-pin
 - Cable diameter 7.50mm
 - Straight version
 - Cable length: 4.57 m

STP-M12-815**Ident-No. 3800008**

- Vision Systems
Connection Cable
- Network cable for VE Smart Camera
 - M12 × 1 on RJ45, 8-pin
 - Cable length: 5 m

SMBVERA**Ident-No. 3097185**

- Vision Systems
Mounting Accessories
For VE Smart Camera
- Bracket for mounting on right side
 - Stainless steel
 - M3 × 0.5 mounting screw (4x) included in delivery
 - Stainless steel

LEDRRV62X62M**Ident-No. 3097378**

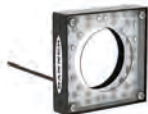
- Vision System
Ring Light
- Close-range illumination
 - Protection class: IP50
 - Power Supply: 24 VDC
 - Fixed set light intensity
 - Color: red

LEDRR70XD5-XQ**Ident-No. 3017244**

- Vision System
ring light
- High-Intensity
 - Protection class: IP50
 - Power supply: 24 VDC
 - Pigtail M12 × 1, 0.15 m
 - Cable length: 0.15 m
 - Color: red

LEDWLA290XD6-XQ**Ident-No. 3013953**

- Vision System
Linear Area Light
- High-Intensity
 - Protection class: IP50
 - Power supply: 24 VDC
 - M12 × 1 male
 - Color: white

LEDRB70X70M	Ident-No. 3072267
	Vision System Backlight ■ Protection class: IP40 ■ Power supply: 24 VDC ■ Pigtail M8 × 1, 2 m ■ Cable length: 2 m ■ Color: red
LCF06LEVMP	Ident-No. 3097345
	Vision Systems C-mount Lens ■ With focus and iris lock ■ For VE Smart Camera ■ Focal distance: 6 mm ■ Minimum operating distance: 77 mm ■ Minimum view field: 55 × 41 mm
LCF08LEVMP	Ident-No. 3097346
	Vision Systems C-mount Lens ■ With focus and iris lock ■ For VE Smart Camera ■ Focal distance: 8 mm ■ Minimum operating distance: 84 mm ■ Minimum view field: 51 × 38 mm
LCF12LEVMP	Ident-No. 3097347
	Vision Systems C-mount Lens ■ With focus and iris lock ■ For VE Smart Camera ■ Focal distance: 12 mm ■ Minimum operating distance: 110 mm ■ Minimum view field: 49 × 37 mm
LCF16LEVMP	Ident-No. 3097348
	Vision Systems C-mount Lens ■ With focus and iris lock ■ For VE Smart Camera ■ Focal distance: 16 mm ■ Minimum operating distance: 158 mm ■ Minimum view field: 53 × 40 mm
LCF25LEVMP	Ident-No. 3097349
	Vision Systems C-mount Lens ■ With focus and iris lock ■ For VE Smart Camera ■ Focal distance: 25 mm ■ Minimum operating distance: 310 mm ■ Minimum view field: 78 × 59 mm

LCF35LEVMP**Ident-No. 3097350**

- Vision Systems
C-mount Lens
- With focus and iris lock
 - For VE Smart Camera
 - Focal distance: 35 mm
 - Minimum operating distance: 338 mm
 - Minimum view field: 66 × 50 mm

LCF50LEVMP**Ident-No. 3097351**

- Vision Systems
C-mount Lens
- With focus and iris lock
 - For VE Smart Camera
 - Focal distance: 50 mm
 - Minimum operating distance: 336 mm
 - Minimum view field: 37 × 28 mm

LCF75LEVMP**Ident-No. 3097352**

- Vision Systems
C-mount Lens
- With focus and iris lock
 - For VE Smart Camera
 - Focal distance: 75 mm
 - Minimum operating distance: 594 mm
 - Minimum view field: 46 × 35 mm

Identification – Interfaces

TBEN-S2-2RFID-4DXP	–	Ident-No. 6814029
	Compact Multiprotocol RFID Module for Ethernet Compact RFID and I/O Module ■ PROFINET device, EtherNet/IP device or Modbus TCP slave ■ PROFINET S2 system redundancy ■ Integrated Ethernet switch ■ 10 Mbps/100 Mbps supported	
TBEN-L5-4RFID-8DXP-CDS	–	Ident-No. 6814120
	Compact Multiprotocol RFID Module for Ethernet Compact RFID and I/O Module Programmable via CODESYS V3 ■ CODESYS V3 PLC Runtime ■ CODESYS OPC-UA Server ■ PROFINET device, EtherNet/IP device or Modbus TCP master/slave ■ Integrated Ethernet switch ■ Supports 10 Mbps / 100 Mbps	
TBEN-L5-4RFID-8DXP-LNX	–	Ident-No. 6814124
	Compact RFID Module for Ethernet RFID and I/O Module with Linux for Implementation with System Integrators ■ TCP/IP ■ Freely programmable compact module based on Linux ■ Programming language C, C++, NodeJS, Python ■ Board Support Package (BSP) available on request ■ Software components: SSH, SFTP, HTTP, IBTP, MTXP, DHCP, SNTP, Node.js 6.9.5 (LTS), Python 3.x ■ Implementation of the protocol for the read/write heads required ■ 4 channels with M12 connection for RFID ■ 8 digital channels, configurable as PNP inputs and/or 2 A outputs ■ Multiple LEDs for status indication ■ Integrated Ethernet switch allows line topology ■ Transmission rate: 10 Mbps/100 Mbps	
BL20-2RFID-S	–	Ident-No. 6827306
	Extension Module for I/O Communication BL Ident RFID Module for Connecting 2 Read/Write Heads (HF/UHF) BL ident ■ Fieldbus and connection technology independent ■ A special software (function module) for integration in PLC systems is not required. ■ 8 byte user data per read/write cycle ■ Connection of two BL ident read/write heads (HF or UHF) ■ Mixed operation of HF and UHF read/write heads ■ Transmission rate: 115.2 kbps ■ Cable length: max. 50 m ■ LEDs indicate status and diagnostic ■ Electronics galvanically separated from the field level via optocouplers	

Identification – Read/Write Heads

TB-Q08-0.15-RS4.47T	–	Ident-No. 7030553
	Read/Write Head ■ Rectangular, height 8 mm ■ Active face on top ■ Metal, GD-Zn, nickel-plated brass ■ Powered and operated solely via BLident interface module ■ M12 × 1 male, connection only via BL ident extension cable ■ Cable length: 0.15 m	
TB-Q08-0.15-RS4.47T/C53	–	Ident-No. 7030778
	Read/Write Head for Bus Line Topology with TBEN-* ■ Rectangular, height 8 mm ■ Active face on top ■ Metal, GD-Zn, nickel-plated brass ■ Device without end termination ■ Device may only be operated in line topology TBEN-S*-2RFID-* or TBEN-L*-4RFID-* ■ Max. 32 nodes per line or connection permitted ■ Use a corresponding terminating resistor (see accessories). ■ Observe the performance of the power supply, especially when turned on, and the maximum current carrying capacity of the cables. ■ Observe the voltage drop on the line. ■ The maximum possible length of the spur line is 2 m. ■ The maximum possible length of the bus is 50 m. ■ By default, a command can only be processed by one read/write head, making HF bus mode suitable for static applications and slow dynamic applications. ■ In continuous HF bus mode, a command is executed simultaneously on all read/write heads in a bus topology. The recorded data is stored in the ring buffer of the module. ■ The read/write head is automatically assigned an address. ■ For different application requirements, the address and can be parameterized. ■ Cable length: 0.15 m	
TN-Q14-0.15-RS4.47T	–	Ident-No. 7030235
	Read/Write Head ■ Rectangular, height 14 mm ■ Active face on top ■ Plastic, PBT-GF30-VO	
TN-Q14-0.15-RS4.47T/C53	–	Ident-No. 7030779
	Read/Write Head for Bus Line Topology with TBEN-* ■ Rectangular, height 14 mm ■ Active face on top ■ Plastic, PBT-GF30-VO ■ Device without end termination ■ Device may only be operated in line topology TBEN-S*-2RFID-* or TBEN-L*-4RFID-* ■ Max. 32 nodes per line or connection permitted. ■ Use a corresponding terminating resistor (see accessories). ■ Observe the performance of the power supply, especially when turned on, and the maximum current carrying capacity of the cables. ■ Observe the voltage drop on the line. ■ The maximum possible length of the spur line is 2 m. ■ The maximum possible length of the bus is 50 m. ■ By default, a command can only be processed by one read/write head, making HF bus mode suitable for static applications and slow dynamic applications. ■ In continuous HF bus mode, a command is executed simultaneously on all read/write heads in a bus topology. The recorded data is stored in the ring buffer of the module. ■ The read/write head is automatically assigned an address. ■ For different application requirements, the address and can be parameterized.	

TN-M30-H1147	–	Ident-No. 7030004
	Read/Write Head ■ Threaded barrel, M30 × 1.5 ■ Chrome-plated brass	
TN-M30-H1147/C53	–	Ident-No. 7030730
	Read/Write Head for Bus Line Topology with TBEN-* ■ Threaded barrel, M30 × 1.5 ■ Chrome-plated brass ■ Device without end termination ■ Device may only be operated in line topology TBEN-S*-2RFID-* or TBEN-L*-4RFID-*. ■ Max. 32 nodes per line or connection permitted. ■ Use a corresponding terminating resistor (see accessories). ■ Observe the performance of the power supply, especially when turned on, and the maximum current carrying capacity of the cables. ■ Observe the voltage drop on the line. ■ The maximum possible length of the spur line is 2 m. ■ The maximum possible length of the bus is 50 m. ■ By default, a command can only be processed by one read/write head, making HF bus mode suitable for static applications and slow dynamic applications. ■ In continuous HF bus mode, a command is executed simultaneously on all read/write heads in a bus topology. The recorded data is stored in the ring buffer of the module. ■ The read/write head is automatically assigned an address. ■ For different application requirements, the address and can be parameterized.	
TNSLR-Q42TWD-H1147	–	Ident-No. 7030424
	Read/Write Head ■ Rectangular, height 42.5 mm ■ Active face on top ■ Plastic, PA12-GF30	
TNSLR-Q42TWD-H1147/C53	–	Ident-No. 7030733
	Read/Write Head for Bus Line Topology with TBEN-* ■ Rectangular, height 42.5 mm ■ Active face on top ■ Plastic, PA12-GF30 ■ Device without end termination ■ Device may only be operated in line topology TBEN-S*-2RFID-* or TBEN-L*-4RFID-*. ■ Max. 32 nodes per line or connection permitted. ■ Use a corresponding terminating resistor (see accessories). ■ Observe the performance of the power supply, especially when turned on, and the maximum current carrying capacity of the cables. ■ Observe the voltage drop on the line. ■ The maximum possible length of the spur line is 2 m. ■ The maximum possible length of the bus is 50 m. ■ By default, a command can only be processed by one read/write head, making HF bus mode suitable for static applications and slow dynamic applications. ■ In continuous HF bus mode, a command is executed simultaneously on all read/write heads in a bus topology. The recorded data is stored in the ring buffer of the module. ■ The read/write head is automatically assigned an address. ■ For different application requirements, the address and can be parameterized.	

TNSLR-Q80WD-H1147	–	Ident-No. 7030418
	Read/Write Head ■ Rectangular, height 40 mm ■ Active face on top ■ Plastic, PPS-GF30	
TNSLR-Q80WD-H1147/C53	–	Ident-No. 100001312
	Read/Write Head for Bus Line Topology with TBEN-* ■ Rectangular, height 40 mm ■ Active face on top ■ Plastic, PPS-GF30 ■ Device without end termination ■ Device may only be operated in line topology TBEN-S*-2RFID-* or TBEN-L*-4RFID-* ■ Max. 32 nodes per line or connection permitted. ■ Use a corresponding terminating resistor (see accessories). ■ Observe the performance of the power supply, especially when turned on, and the maximum current carrying capacity of the cables. ■ Observe the voltage drop on the line. ■ The maximum possible length of the spur line is 2 m. ■ The maximum possible length of the bus is 50 m. ■ By default, a command can only be processed by one read/write head, making HF bus mode suitable for static applications and slow dynamic applications. ■ In continuous HF bus mode, a command is executed simultaneously on all read/write heads in a bus topology. The recorded data is stored in the ring buffer of the module. ■ The read/write head is automatically assigned an address. ■ For different application requirements, the address and can be parameterized.	
TN-M30-IOL-H1141	–	Ident-No. 100000975
	Read/Write Head IO-Link ■ Threaded barrel, M30 × 1.5 ■ Chrome-plated brass ■ Process value in 32-bit IO-Link telegram ■ M12 × 1 male connector, 4-pin	

Identification – Tags

TW-R16-B128	–	Ident-No. 6900501
	Tag HF ■ EEPROM, memory 128 byte	
TW-R20-B128	–	Ident-No. 6900502
	Tag HF ■ EEPROM, memory 128 byte	
TW-R30-B128	–	Ident-No. 6900503
	Tag HF ■ EEPROM, memory 128 byte	
TW-R16-K2	–	Ident-No. 7030410
	Tag HF ■ FRAM memory 2 kB	
TW-R20-K2	–	Ident-No. 6900505
	Tag HF ■ FRAM memory 2 kB	
TW-R30-K2	–	Ident-No. 6900506
	Tag HF ■ FRAM memory 2 kB	

TW-BS10X1.5-19-K2	–	Ident-No. 6901380
	Tag HF ■ FRAM memory 2 kB ■ M10 bolt tag with yellow cap	
TW-R10-M-B146	–	Ident-No. 7030545
	Tag HF ■ Tag for direct mounting on metal ■ EEPROM, memory 146 byte ■ The mounting position (arrow) as well as the alignment of the tag towards the read/write head must be observed under all circumstances in order to achieve a maximum read/write distance. ■ When installed recessed in metal by 1 mm, the write/read distance reduces to 30 %. ■ Extended storage temperature range: The tags must undergo adequate stress tests within the proposed temperature processes before deployment. ■ The following stress test was performed on this tag: Cyclic temperature stress: 5 min. at 20 °C...5 min. at 160 °C. Number of tested cycles: 100T This successfully performed test does not imply suitability for a specific high-temperature application, but merely serves as proof of the basic usability.	
TW-L36-18-F-B128-100PCS	–	Ident-No. 7030659
	Tag HF ■ EEPROM, memory 128 byte	
TW-L86-54-C-B128	–	Ident-No. 6900479
	Tag HF ■ EEPROM, memory 128 byte	

Identification – Accessories

RK4.5T-0.3-RS4.5T/S2503	–	Ident-No. 7030330
	BLident Cable Economy Version Extension Cable ■ 4-core, AWG 19/24 (data cable), AWG 19/22 (supply cable) ■ Jacket material: PUR, color: black ■ Halogen- and LABS-free ■ Shield: Aluminum foil, tinned copper braid ■ Jacket diameter: 6.7 mm ■ Suitable for drag chain use, oil-resistant, flexible ■ Cable UL Style 20549 ■ Cable length: 0.3 m	
RK4.5T-2-RS4.5T/S2503	–	Ident-No. 7030331
	BLident Cable Economy Version Extension Cable ■ 4-core, AWG 19/24 (data cable), AWG 19/22 (supply cable) ■ Jacket material: PUR, color: black ■ Halogen- and LABS-free ■ Shield: Aluminum foil, tinned copper braid ■ Jacket diameter: 6.7 mm ■ Suitable for drag chain use, oil-resistant, flexible ■ Cable UL Style 20549 ■ Cable length: 2.0 m	
RK4.5T-5-RS4.5T/S2503	–	Ident-No. 7030332
	BLident Cable Economy Version Extension Cable ■ 4-core, AWG 19/24 (data cable), AWG 19/22 (supply cable) ■ Jacket material: PUR, color: black ■ Halogen- and LABS-free ■ Shield: Aluminum foil, tinned copper braid ■ Jacket diameter: 6.7 mm ■ Suitable for drag chain use, oil-resistant, flexible ■ Cable UL Style 20549 ■ Cable length: 5.0 m	
RK4.5T-10-RS4.5T/S2503	–	Ident-No. 7030333
	BLident Cable Economy Version Extension Cable ■ 4-core, AWG 19/24 (data cable), AWG 19/22 (supply cable) ■ Jacket material: PUR, color: black ■ Halogen- and LABS-free ■ Shield: Aluminum foil, tinned copper braid ■ Jacket diameter: 6.7 mm ■ Suitable for drag chain use, oil-resistant, flexible ■ Cable UL Style 20549 ■ Cable length: 10 m	
RSE57-TR2/RFID	–	Ident-No. 6934908
	Accessories for Fieldbus Systems Terminating Resistor to Build an RFID Line Topology ■ M12 male, 4-pin ■ 120 Ohm between pin 2 and pin 4 ■ RoHS-compliant ■ Protection class IP67	

VT2-FKM5-FKM5-FSM5

–

Ident-No. 6930573

2-port Junction Systems
T-Splitter Without Cable

- M12 × 1
- Female connector - male connector - female connector, 5-pin
- RoHS-compliant
- Protection class IP67

VB2-FKM5-FSM5.205-FSM5.305/S2550

–

Ident-No. 6936821

Y-Splitter for Re-Powering a Supply Voltage
For RFID Bus Line Topology

- RoHS-compliant
- Protection class IP67

Connectivity – Cables and Flanges

RKC4T-*/TXL	Ident-No. diverse
	Actuator and Sensor Cable, PUR Connection Cable ■ Female M12, straight, 3-pin ■ Jacket material: PUR ■ Jacket color: black ■ Suitable for drag chain use ■ Resistant to chemicals, UV radiation and oils ■ Flame-retardant (FT2 in accordance with UL 1581, IEC 60332-2-2) ■ Free from halogen, silicone, PVC and LABS ■ Particularly resistant to abrasion ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Cable length: * m, available lengths: 2 m, 5 m, 10 m
RKC4.4T-*/TXL	Ident-No. diverse
	Actuator and Sensor Cable, PUR Connection Cable ■ Female M12, straight, 4-pin ■ Jacket material: PUR ■ Jacket color: black ■ Suitable for drag chain use ■ Resistant to chemicals, UV radiation and oils ■ Flame-retardant (FT2 in accordance with UL 1581, IEC 60332-2-2) ■ Free from halogen, silicone, PVC and LABS ■ Particularly resistant to abrasion ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Cable length: * m, available lengths: 2 m, 5 m, 10 m
RKC4.5T-*/TXL	Ident-No. diverse
	Actuator and Sensor Cable, PUR Connection Cable ■ Female M12, straight, 5-pin ■ Jacket material: PUR ■ Jacket color: black ■ Suitable for drag chain use ■ Resistant to chemicals, UV radiation and oils ■ Flame-retardant (FT2 in accordance with UL 1581, IEC 60332-2-2) ■ Free from halogen, silicone, PVC and LABS ■ Particularly resistant to abrasion ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Cable length: * m, available lengths: 2 m, 5 m, 10 m
WKC4T-*/TXL	Ident-No. diverse
	Actuator and Sensor Cable, PUR Connection Cable ■ Female M12, angled, 3-pin ■ Jacket material: PUR ■ Jacket color: black ■ Suitable for drag chain use ■ Resistant to chemicals, UV radiation and oils ■ Flame-retardant (FT2 in accordance with UL 1581, IEC 60332-2-2) ■ Free from halogen, silicone, PVC and LABS ■ Particularly resistant to abrasion ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Cable length: * m, available lengths: 2 m, 5 m, 10 m

WKC4.4T-*/TXL	Ident-No. diverse
	Actuator and Sensor Cable, PUR Connection Cable ■ Female M12, angled, 4-pin ■ Jacket material: PUR ■ Jacket color: black ■ Suitable for drag chain use ■ Resistant to chemicals, UV radiation and oils ■ Flame-retardant (FT2 in accordance with UL 1581, IEC 60332-2-2) ■ Free from halogen, silicone, PVC and LABS ■ Particularly resistant to abrasion ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Cable length: * m, available lengths: 2 m, 5 m, 10 m
WKC4.5T-*/TXL	Ident-No. diverse
	Actuator and Sensor Cable, PUR Connection Cable ■ Female M12, angled, 5-pin ■ Jacket material: PUR ■ Jacket color: black ■ Suitable for drag chain use ■ Resistant to chemicals, UV radiation and oils ■ Flame-retardant (FT2 in accordance with UL 1581, IEC 60332-2-2) ■ Free from halogen, silicone, PVC and LABS ■ Particularly resistant to abrasion ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Cable length: * m, available lengths: 2 m, 5 m, 10 m
PKG3M-*/TXL	Ident-No. diverse
	Actuator and Sensor Cable, PUR Connection Cable ■ Female M8, straight, 3-pin ■ Jacket material: PUR ■ Jacket color: black ■ Suitable for drag chain use ■ Resistant to chemicals, UV radiation and oils ■ Flame-retardant (FT2 in accordance with UL 1581, IEC 60332-2-2) ■ Free from halogen, silicone, PVC and LABS ■ Particularly resistant to abrasion ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Cable length: * m, available lengths: 2 m, 5 m, 10 m
PKG4M-*/TXL	Ident-No. diverse
	Actuator, Sensor and Supply Cable, PUR Connection Cable ■ Female M8, straight, 4-pin ■ Jacket material: PUR ■ Jacket color: black ■ Suitable for drag chain use ■ Resistant to chemicals, UV radiation and oils ■ Flame-retardant (FT2 in accordance with UL 1581, IEC 60332-2-2) ■ Free from halogen, silicone, PVC and LABS ■ Particularly resistant to abrasion ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Cable length: * m, available lengths: 2 m, 5 m, 10 m

PKW3M-*/TXL	Ident-No. diverse
	Actuator and Sensor Cable, PUR Connection Cable ■ Female M8, angled, 3-pin ■ Jacket material: PUR ■ Jacket color: black ■ Suitable for drag chain use ■ Resistant to chemicals, UV radiation and oils ■ Flame-retardant (FT2 in accordance with UL 1581, IEC 60332-2-2) ■ Free from halogen, silicone, PVC and LABS ■ Particularly resistant to abrasion ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Cable length: * m, available lengths: 2 m, 5 m, 10 m
PKW4M-*/TXL	Ident-No. diverse
	Actuator, Sensor and Supply Cable, PUR Connection Cable ■ Female M8, angled, 4-pin ■ Jacket material: PUR ■ Jacket color: black ■ Suitable for drag chain use ■ Resistant to chemicals, UV radiation and oils ■ Flame-retardant (FT2 in accordance with UL 1581, IEC 60332-2-2) ■ Free from halogen, silicone, PVC and LABS ■ Particularly resistant to abrasion ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Cable length: * m, available lengths: 2 m, 5 m, 10 m
RKC4T-*/RSC4T/TXL	Ident-No. diverse
	Actuator and Sensor Cable, PUR Extension Cable ■ Female M12, straight, 3-pin ■ Jacket material: PUR ■ Jacket color: black ■ Suitable for drag chain use ■ Resistant to chemicals, UV radiation and oils ■ Flame-retardant (FT2 in accordance with UL 1581, IEC 60332-2-2) ■ Free from halogen, silicone, PVC and LABS ■ Particularly resistant to abrasion ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Male M12, straight, 3-pin ■ Cable length: * m, available lengths: 1 m, 2 m, 5 m, 10 m
RKC4.4T-*/RSC4.4T/TXL	Ident-No. diverse
	Actuator and Sensor Cable, PUR Extension Cable/Adapter for Analog Signals ■ Female M12, straight, 4-pin ■ Jacket material: PUR ■ Jacket color: black ■ Suitable for drag chain use ■ Resistant to chemicals, UV radiation and oils ■ Flame-retardant (FT2 in accordance with UL 1581, IEC 60332-2-2) ■ Free from halogen, silicone, PVC and LABS ■ Particularly resistant to abrasion ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Male M12, straight, 4-pin ■ Cable length: * m, available lengths: 1 m, 2 m, 5 m, 10 m

PKG3M-*/PSG3M/TXL	Ident-No. diverse
	Actuator and Sensor Cable, PUR Extension Cable ■ Female M8, straight, 3-pin ■ Jacket material: PUR ■ Jacket color: black ■ Suitable for drag chain use ■ Resistant to chemicals, UV radiation and oils ■ Flame-retardant (FT2 in accordance with UL 1581, IEC 60332-2-2) ■ Free from halogen, silicone, PVC and LABS ■ Particularly resistant to abrasion ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Male M8, straight, 3-pin ■ Cable length: * m, available lengths: 1 m, 2 m, 5 m, 10 m
RKC4T-*/TEL	Ident-No. diverse
	Actuator and Sensor Cable, PVC Connection Cable ■ Female M12, straight, 3-pin ■ Jacket material: PVC ■ Jacket color: black ■ Resistant to chemicals and oils ■ Flame-retardant ■ Resistant to acids and alkaline solutions ■ Resistant to microbes and hydrolysis ■ LABS free ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Cable length: * m, available lengths: 2 m, 5 m, 10 m
RKC4.4T-*/TEL	Ident-No. diverse
	Actuator and Sensor Cable, PVC Connection Cable ■ Female M12, straight, 4-pin ■ Jacket material: PVC ■ Jacket color: black ■ Resistant to chemicals and oils ■ Flame-retardant ■ Resistant to acids and alkaline solutions ■ Resistant to microbes and hydrolysis ■ LABS free ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Cable length: * m, available lengths: 2 m, 5 m, 10 m
RKC4.5T-*/TEL	Ident-No. diverse
	Actuator and Sensor Cable, PVC Connection Cable ■ Female M12, straight, 5-pin ■ Jacket material: PVC ■ Jacket color: black ■ Resistant to chemicals and oils ■ Flame-retardant ■ Resistant to acids and alkaline solutions ■ Resistant to microbes and hydrolysis ■ LABS free ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Cable length: * m, available lengths: 2 m, 5 m, 10 m

WKC4T-*/TEL	Ident-No. diverse
	Actuator and Sensor Cable, PVC Connection Cable ■ Female M12, angled, 3-pin ■ Jacket material: PVC ■ Jacket color: black ■ Resistant to chemicals and oils ■ Flame-retardant ■ Resistant to acids and alkaline solutions ■ Resistant to microbes and hydrolysis ■ LABS free ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Cable length: * m, available lengths: 2 m, 5 m, 10 m
WKC4.4T-*/TEL	Ident-No. diverse
	Actuator and Sensor Cable, PVC Connection Cable ■ Female M12, angled, 4-pin ■ Jacket material: PVC ■ Jacket color: black ■ Resistant to chemicals and oils ■ Flame-retardant ■ Resistant to acids and alkaline solutions ■ Resistant to microbes and hydrolysis ■ LABS free ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Cable length: * m, available lengths: 2 m, 5 m, 10 m
WKC4.5T-*/TEL	Ident-No. diverse
	Actuator and Sensor Cable, PVC Connection Cable ■ Female M12, angled, 5-pin ■ Jacket material: PVC ■ Jacket color: black ■ Resistant to chemicals and oils ■ Flame-retardant ■ Resistant to acids and alkaline solutions ■ Resistant to microbes and hydrolysis ■ LABS free ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Cable length: * m, available lengths: 2 m, 5 m, 10 m
PKG3M-*/TEL	Ident-No. diverse
	Actuator and Sensor Cable, PVC Connection Cable ■ Female M8, straight, 3-pin ■ Jacket material: PVC ■ Jacket color: black ■ Resistant to chemicals and oils ■ Flame-retardant ■ Resistant to acids and alkaline solutions ■ Resistant to microbes and hydrolysis ■ LABS free ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Cable length: * m, available lengths: 2 m, 5 m, 10 m

PKG4M-*/TEL	Ident-No. diverse
	Actuator, Sensor and Supply Cable, PVC Connection Cable ■ Female M8, straight, 4-pin ■ Jacket material: PVC ■ Jacket color: black ■ Resistant to chemicals and oils ■ Flame-retardant ■ Resistant to acids and alkaline solutions ■ Resistant to microbes and hydrolysis ■ LABS free ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Cable length: * m, available lengths: 2 m, 5 m, 10 m
PKW3M-*/TEL	Ident-No. diverse
	Actuator and Sensor Cable, PVC Connection Cable ■ Female M8, angled, 3-pin ■ Jacket material: PVC ■ Jacket color: black ■ Resistant to chemicals and oils ■ Flame-retardant ■ Resistant to acids and alkaline solutions ■ Resistant to microbes and hydrolysis ■ LABS free ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Cable length: * m, available lengths: 2 m, 5 m, 10 m
PKW4M-*/TEL	Ident-No. diverse
	Actuator, Sensor and Supply Cable, PVC Connection Cable ■ Female M8, angled, 4-pin ■ Jacket material: PVC ■ Jacket color: black ■ Resistant to chemicals and oils ■ Flame-retardant ■ Resistant to acids and alkaline solutions ■ Resistant to microbes and hydrolysis ■ LABS free ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Cable length: * m, available lengths: 2 m, 5 m, 10 m
RKM52-*M	Ident-No. diverse
	Power Supply Cable/PUR Connection Cable ■ Power cable: 5 x 1.5 mm² ■ Jacket material: PUR, color: gray ■ Jacket diameter: 8.5 mm ■ Suitable for drag chain use ■ Oil-resistant and flame-retardant ■ Halogen-free ■ 7/8" female, straight ■ Open end ■ Cable length: * m, available lengths: 2 m, 6 m

RKM52-*-RSM52	Ident-No. diverse
	Power Supply Cable/PUR Extension Cable ■ Power cable: 5 × 1.5 mm² ■ Jacket material: PUR, color: gray ■ Jacket diameter: 8.5 mm ■ Suitable for drag chain use ■ Oil-resistant and flame-retardant ■ Halogen-free ■ 7/8" female, straight ■ 7/8" male, straight ■ Cable length: * m, available lengths: 0.3 m, 0.5 m, 1 m, 2 m, 5 m, 10 m
RSSD-RSSD-4416-*M	Ident-No. diverse
	Industrial Ethernet/PROFINET Cable PUR Cable Jacket ■ M12 male, straight, D-coded ■ Ethernet cable: 4-pin, AWG 22 ■ CAT 5E ■ Jacket material: PUR ■ Jacket color: green ■ Shield: Aluminum foil overlapped, tinned copper wire ■ Jacket diameter: 6.5 mm ■ Suitable for drag chain use ■ Oil resistant acc. to IEC 60811-2-1 and UL13 ■ Free from halogen acc. to IEC 60754 ■ Flame-retardant acc. to IEC 60332-1-2 and UL2556 VW1 ■ RoHS-compliant ■ PNO-compliant ■ M12 male, straightCable length: * m, available lengths: 1 m, 2 m, 5 m
RSSD-RJ45S-4416-*M	Ident-No. diverse
	Industrial Ethernet/PROFINET Cable Extension Cable ■ M12 male, straight, D-coded ■ Ethernet cable: 4-pin, AWG 22 ■ CAT 5E ■ Jacket material: PUR ■ Jacket color: green ■ Shield: Aluminum foil overlapped, tinned copper wire ■ Jacket diameter: 6.5 mm ■ Suitable for drag chain use ■ Oil resistant acc. to IEC 60811-2-1 and UL13 ■ Free from halogen acc. to IEC 60754 ■ Flame-retardant acc. to IEC 60332-1-2 and UL2556 VW1 ■ RoHS-compliant ■ PNO-compliant ■ RJ45 male connector, straight, 4-pin ■ Cable length: * m, available lengths: 1 m, 2 m, 5 m

PSG4M-PSG4M-4416-*M**Ident-No. diverse**

- Industrial Ethernet/PROFINET Cable
PUR Cable Jacket
- M8 male connector, straight
 - Ethernet cable: 4-pin, AWG 22
 - CAT 5E
 - Jacket material: PUR
 - Jacket color: green
 - Shield: Aluminum foil overlapped, tinned copper wire
 - Jacket diameter: 6.5 mm
 - Suitable for drag chain use
 - Oil resistant acc. to IEC 60811-2-1 and UL13
 - Free from halogen acc. to IEC 60754
 - Flame-retardant acc. to IEC 60332-1-2 and UL2556 VW1
 - RoHS-compliant
 - PNO-compliant
 - M8 male connector, straight
 - Cable length: * m, available lengths: 1 m, 2 m, 5 m, 10 m

PSGS4M-RJ45S-4416-*M**Ident-No. diverse**

- Industrial Ethernet/PROFINET Cable
Extension Cable
- M8 male connector, straight
 - Ethernet cable: 4-pin, AWG 22
 - CAT 5E
 - Jacket material: PUR
 - Jacket color: green
 - Shield: Aluminum foil overlapped, tinned copper wire
 - Jacket diameter: 6.5 mm
 - Suitable for drag chain use
 - Oil resistant acc. to IEC 60811-2-1 and UL13
 - Free from halogen acc. to IEC 60754
 - Flame-retardant acc. to IEC 60332-1-2 and UL2556 VW1
 - RoHS-compliant
 - PNO-compliant
 - RJ45 male connector, straight, 4-pin
 - Cable length: * m, available lengths: 1 m, 2 m, 5 m, 10 m

Connectivity – Field-wireable Connectors

B5133-0	–	Ident-No. 6901030
	M8 × 1/Ø 8 mm Round Connector Field-Wireable Connector ■ Metal coupling nut ■ Protection class IP67 ■ 3-pin ■ Screw-clamp terminal	
BS5133-0	–	Ident-No. 6901012
	M8 × 1/Ø 8 mm Round Connector Field-Wireable Connector ■ Metal coupling nut ■ Protection class IP67 ■ 3-pin ■ Screw-clamp terminal	
BS143-0	–	Ident-No. 6901031
	M8 × 1/Ø 8 mm Round Connector Field-Wireable Connector ■ Metal coupling nut ■ Protection class IP67 ■ 4-pin ■ Screw-clamp terminal	
BS5143-0	–	Ident-No. 6901013
	M8 × 1/Ø 8 mm Round Connector Field-Wireable Connector ■ Metal coupling nut ■ Protection class IP67 ■ 4-pin ■ Screw-clamp terminal	
B8141-0	–	Ident-No. 69049
	M12 × 1 Round Connector Field-Wireable Connector ■ Plastic coupling nut ■ UL approval ■ A-coding ■ 4-pin ■ Screw-clamp terminal	
BS8141-0	–	Ident-No. 69010
	M12 × 1 Round Connector Field-Wireable Connector ■ Metal coupling nut ■ Protection class IP67 ■ UL approval ■ 4-pin ■ Screw-clamp terminal	

B8151-0	–	Ident-No. 6904601
	M12 × 1 Round Connector Field-Wireable Connector ■ A-coding ■ Plastic coupling nut ■ UL approval ■ A-coding ■ 5-pin ■ Screw-clamp terminal	
BS8151-0/PG9	–	Ident-No. 6904613
	M12 × 1 Round Connector Field-Wireable Connector ■ For use in DeviceNet/CANopen applications ■ A-coding ■ 5-pin ■ Screw-clamp terminal	
6GK1901-1BB10-2AA0/FC-RJ45	–	Ident-No. 6780031
	Accessories for Fieldbus Systems Field-wireable connector ■ RJ45 connector ■ For use in Ethernet applications, CAT5 ■ Shieldable ■ Metal housing ■ RoHS-compliant ■ Protection class IP20 ■ 4-pin ■ IDC quick connection	
FW-M12ST5D-G-SB-ME-SH-8	–	Ident-No. 6604218
	Round connector M12 × 1 Field-Wireable Connector Approvals: UL ■ For use in Ethernet applications ■ Shielding via iris spring ■ D-coding ■ Metal housing ■ 4-pin ■ Screw-clamp terminal	

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-coding ■ Voltage: 48 V ■ Ampacity: 4 A ■ Temperature: -30...+85 °C ■ Protection class: IP67	
FKSDD RJ45SF 44	–	Ident-No. U3-00647
	Accessories for Fieldbus Systems Wall/panel feed-through ■ For Industrial Ethernet ■ RJ45 on M12 × 1, 4-pin ■ Admissible wall thickness: 1.5...3 mm ■ Mounting thread: M16 × 1, 8-pin ■ D-coding ■ Voltage: 42 V ■ Ampacity: 1.5 A ■ Temperature: -40...+75 °C ■ Protection class: IP20/67 ■ Scope of delivery: Wall feedthrough, seal and nut	

Connectivity – Inductive Couplers

NICP-M30-IOL2P8X-H1141

Ident-No. 4300101



- Inductive Coupler
Primary Side
- Threaded barrel, M30 × 1.5
 - Chrome-plated brass
 - DC 4-wire, 24 VDC
 - 2 × PNP output
 - Male, M12 × 1
 - IO-Link transmission

NICS-M30-IOL2P8-0.3-RKC4.4T

-

Ident-No. 4300301



- Inductive Coupler
Secondary Side
- Threaded barrel, M30 × 1.5
 - Chrome-plated brass
 - DC 4-wire, 24 VDC
 - 2 × PNP input
 - Pigtail with female end M12 × 1
 - IO-Link transmission
 - Cable length: 0.3 m

Fieldbus Technology – I/O Modules

TBEN-S1-8DIP	–	Ident-No. 6814020
	Compact Multiprotocol I/O Module for Ethernet 8 Digital PNP Inputs, Input Diagnostics per Group ■ PROFINET Device, Ethernet/IP Device or Modbus TCP slave ■ Integrated Ethernet switch ■ 10 Mbps/100 Mbps supported ■ 2 × M8, 4-pin Ethernet fieldbus connection ■ Glass fiber reinforced housing ■ Shock and vibration tested ■ Fully potted module electronics ■ Protection classes IP65, IP67, IP69K ■ M8 connector, 4-pin, for power supply ■ Input diagnostics per group ■ FLC/ARGEE programmable	
TBEN-S1-8DOP	–	Ident-No. 6814022
	Compact Multiprotocol I/O Module for Ethernet 8 Digital PNP Outputs 0.5 A ■ PROFINET device, EtherNet/IP device or Modbus TCP master/slave ■ Integrated Ethernet switch allows line topology ■ Supports 10 Mbps/100 Mbps ■ 2 × M8, 4-pin, Ethernet fieldbus connection ■ M8 4-pin connector for power supply ■ Galvanically isolated voltage groups	
TBEN-S1-8DXP	–	Ident-No. 6814023
	Compact Multiprotocol I/O Module for Ethernet 8 Universal Digital Channels, Configurable as PNP Inputs or 0.5A Outputs ■ PROFINET device, Ethernet/IP device or Modbus TCP slave ■ Integrated Ethernet switch ■ 10 Mbps/100 Mbps supported ■ 2 × M8, 4-pin Ethernet fieldbus connection ■ Glass fiber reinforced housing ■ Shock and vibration tested ■ Fully potted module electronics ■ Protection classes IP65, IP67, IP69K ■ M8, 4-pin connector for power supply ■ Galvanically isolated voltage groups ■ Input diagnostics per group ■ Max. 0.5A per output ■ Output diagnostics per channel ■ One freely selectable digital channel per port ■ FLC/ARGEE programmable	
TBEN-S1-4DIP-4DOP	–	Ident-No. 6814021
	Compact Multiprotocol I/O Module for Ethernet 4 Digital PNP Inputs and 4 Digital PNP Outputs 2 A ■ PROFINET device, Ethernet/IP device or Modbus TCP slave ■ Integrated Ethernet switch ■ 10 Mbps/100 Mbps supported ■ 2 × M8, 4-pin Ethernet fieldbus connection ■ Glass fiber reinforced housing ■ Shock and vibration tested ■ Fully potted module electronics ■ Protection classes IP65, IP67, IP69K ■ M8, 4-pin connector for power supply ■ Galvanically isolated voltage groups ■ Input diagnostics per group ■ Max. 2 A per output ■ Output diagnostics per channel ■ FLC/ARGEE programmable	

TBEN-S2-8DIP	–	Ident.-No. 6814073
	Compact Multiprotocol I/O Module for Ethernet 8 Digital PNP Inputs ■ PROFINET device, Ethernet/IP device or Modbus TCP slave ■ Integrated Ethernet switch ■ 10 Mbps/100 Mbps supported ■ 2 × M8, 4-pin Ethernet fieldbus connection ■ Glass fiber reinforced housing ■ Shock and vibration tested ■ Fully potted module electronics ■ Protection classes IP65, IP67, IP69K ■ Pin1 switchable per I/O port ■ Diagnostics of the supply per I/O port ■ FLC/ARGEE programmable	
TBEN-S2-8DXP	–	Ident.-No. 6814076
	Compact Multiprotocol I/O Module for Ethernet 8 Universal Digital Channels, Configurable as PNP Inputs or 0.5 A Outputs ■ PROFINET device, Ethernet/IP device or Modbus TCP slave ■ Integrated Ethernet switch ■ 10 Mbps/100 Mbps supported ■ 2 × M8, 4-pin Ethernet fieldbus connection ■ Glass fiber reinforced housing ■ Shock and vibration tested ■ Fully potted module electronics ■ Protection classes IP65, IP67, IP69K ■ M8, 4-pin connector for power supply ■ Galvanically isolated voltage groups ■ Diagnostics of the supply per I/O port ■ Max. 0.5A per output ■ Output diagnostics per channel ■ Two freely selectable digital channels per port ■ Pin1 switchable per I/O port ■ FLC/ARGEE programmable	
TBEN-S2-4AI	–	Ident.-No. 6814025
	Compact Multiprotocol I/O Module for Ethernet 4 Analog Inputs, Configurable as Voltage, Current, RTD or Thermocouple ■ PROFINET device, EtherNet/IP device or Modbus TCP master/slave ■ Integrated Ethernet switch allows line topology ■ Supports 10 Mbps/100 Mbps ■ 2 × M8, 4-pin, Ethernet fieldbus connection ■ M8 4-pin connector for power supply ■ Galvanically isolated voltage groups	
TBEN-S2-4AO	–	Ident.-No. 6814028
	Compact Multiprotocol I/O Module for Ethernet 4 Analog Outputs, Configurable as Voltage or Current ■ PROFINET device, EtherNet/IP device or Modbus TCP master/slave ■ Integrated Ethernet switch allows line topology ■ Supports 10 Mbps/100 Mbps ■ 2 × M8, 4-pin, Ethernet fieldbus connection ■ M8 4-pin connector for power supply ■ Galvanically isolated voltage groups	
TBEN-S2-4IOL	–	Ident.-No. 6814024
	Compact Multiprotocol I/O Module for Ethernet 4 IO-Link Master Channels 4 Universal Digital PNP Channels, 0.5 A, Channel Diagnostics ■ PROFINET device, EtherNet/IP device or Modbus TCP master/slave ■ Integrated Ethernet switch allows line topology ■ Supports 10 Mbps/100 Mbps ■ 2 × M8, 4-pin, Ethernet fieldbus connection ■ M8 4-pin connector for power supply ■ Galvanically isolated voltage groups	

TBEN-S2-2COM-4DXP	–	Ident-No. 6814031
	Compact Multiprotocol I/O Module for Ethernet 2 Configurable Serial Interfaces and 4 Universal Digital Channels ■ PROFINET device, EtherNet/IP device or Modbus TCP master/slave ■ Integrated Ethernet switch allows line topology ■ Supports 10 Mbps/100 Mbps ■ 2 × M8, 4-pin, Ethernet fieldbus connection ■ M8 4-pin connector for power supply ■ Galvanically isolated voltage groups	
PKG4M-0.2-PSG4M/TXL	–	Ident-No. 6627044
	Actuator, Sensor and Supply Cable, PUR Extension Cable ■ Female M8, straight, 4-pin ■ Cable length: 0.2 m ■ Jacket material: PUR ■ Jacket color: black ■ Suitable for drag chain use ■ Resistant to chemicals, UV radiation and oils ■ Flame-retardant (FT2 in accordance with UL 1581, IEC 60332-2-2) ■ Free from halogen, silicone, PVC and LABS ■ Particularly resistant to abrasion ■ Approval: cULus ■ RoHS-compliant ■ Protection class: IP67, IP69K ■ Male M8, straight, 4-pin	
PSG4M-0.2-PSG4M/TXN	–	Ident-No. 6630376
	Industrial Ethernet Cable, PUR Extension Cable ■ M8 male connector, straight, 4-pin ■ Usage: As a bridge to connect the TBEN-S modules ■ Jacket material: PUR ■ Jacket color: green ■ Suitable for drag chain use ■ Resistant to welding sparks ■ Resistant to chemicals, UV radiation and oils ■ Flame-retardant ■ Free from halogen, silicone, PVC and LABS ■ Particularly resistant to abrasion ■ Approval: cULus ■ RoHS-compliant ■ Protection class IP67 ■ Cable length: 0.2 m ■ Male M8, straight, 4-pin	
TBNN-S0-DRS-01	–	Ident-No. 6814040
	Adapter for Mounting Groups of TBEN-S modules on a DIN rail ■ Grounding of the modules on the DIN rail ■ 1 pcs. per package	
TBNN-S0-STD-01	–	Ident-No. 6814043
	Adapter for Setting up TBEN-S Module Groups ■ 1 pcs. per package	

TBEN-L5-8IOL	-	Ident-No. 6814017
	Compact Multiprotocol I/O Module for Ethernet 8 IO-Link Master Channels 4 Universal Digital PNP Channels, 2 A, Channel Diagnostics ■ Integrated Ethernet switch allows line topology ■ 2 × M12, 4-pin, D-coded Ethernet fieldbus connection ■ 7/8", 5-pin connector for power supply	
TBEN-L5-16DXP	-	Ident-No. 6814088
	Compact Multiprotocol I/O Module for Ethernet 16 Universal Digital Channels, Configurable as PNP Inputs or 2 A Outputs ■ Integrated Ethernet switch allows line topology ■ 2 × M12, 4-pin, D-coded Ethernet fieldbus connection ■ 7/8", 5-pin connector for power supply	
TBEN-L5-16DIP	-	Ident-No. 6814085
	Compact Multiprotocol I/O Module for Ethernet 16 Digital PNP Inputs ■ Integrated Ethernet switch allows line topology ■ 2 × M12, 4-pin, D-coded Ethernet fieldbus connection ■ 7/8", 5-pin connector for power supply	
TBEN-L5-8DIP-8DOP	-	Ident-No. 6814086
	Compact Multiprotocol I/O Module for Ethernet 8 Digital PNP Inputs and 8 Digital PNP Outputs 2 A ■ Integrated Ethernet switch allows line topology ■ 2 × M12, 4-pin, D-coded Ethernet fieldbus connection ■ 7/8", 5-pin connector for power supply	
TBEN-L5-16DOP	-	Ident-No. 6814087
	Compact Multiprotocol I/O Module for Ethernet 16 Digital PNP Outputs ■ Integrated Ethernet switch allows line topology ■ 2 × M12, 4-pin, D-coded Ethernet fieldbus connection ■ 7/8", 5-pin connector for power supply	

TBEN-L5-EN1	-	Ident-No. 6814035
	Ethernet Spanner Master to master data exchange, NAT router, 16 digital PNP inputs ■ Two separate, electrically isolated Ethernet interfaces ■ Bi-directional data exchange between two networks ■ Protocol conversion between EtherNet/IP, Modbus TCP and Profinet ■ PROFINet is supported on P2 Ethernet port ■ 1:1 NAT router ■ 10 Mbps/100 Mbps supported ■ 2 × M12, 4-pin, D-coded Ethernet fieldbus connection ■ Glass fiber reinforced housing ■ Shock and vibration tested ■ Fully potted module electronics ■ Protection classes IP65, IP67, IP69K ■ 7/8", 5-pin connectors for power supply ■ Input diagnostics per port	
	Block Module for EtherNet/IP and CIP Safety Safe Digital Inputs and Outputs ■ Ethernet/IP ■ Integrated Ethernet switch ■ 10 Mbps/100 Mbps supported ■ 2 × M12, 4-pin, D-coded, Ethernet fieldbus connection ■ Glass fiber reinforced housing ■ Shock and vibration tested ■ Fully potted module electronics ■ Protection classes IP65, IP67, IP69K ■ 7/8", 5-pin connectors for power supply ■ Four safe digital SIL3 inputs ■ Four safe configurable digital SIL3 inputs or outputs	Ident-No. 100001828
	Block Module for EtherNet/IP and CIP Safety Safe Digital Inputs and Outputs, Standard Universal Digital Channels, IO-Link Master Ports ■ Ethernet/IP ■ Integrated Ethernet switch ■ 10 Mbps/100 Mbps supported ■ 2 × M12, 4-pin, D-coded, Ethernet fieldbus connection ■ Glass fiber reinforced housing ■ Shock and vibration tested ■ Fully potted module electronics ■ Protection classes IP65, IP67, IP69K ■ 7/8", 5-pin connectors for power supply ■ Two safe digital SIL3 inputs ■ Two secure digital SIL3 channels as FDI or FDO (PP, PM) ■ Four secure digital SIL3 FDI channels ■ 2 IO-Link Master V1.1 slots	Ident-No. 6814056
	Compact PROFIsafe / PROFINET Block I/O Module Safe Digital Inputs and Outputs, Standard Universal Digital Channels, IO-Link Master Ports ■ PROFINET slave ■ Integrated Ethernet switch ■ 100 Mbps supported ■ 2 × M12, 4-pin, D-coded Ethernet fieldbus connection ■ Glass fiber reinforced housing ■ Shock and vibration tested ■ Fully potted module electronics ■ Protection classes IP65, IP67, IP69K ■ 7/8", 5-pin connectors for power supply ■ Two safe digital SIL3 inputs ■ Two secure digital SIL3 channels as FDI or FDO (PP, PM) ■ Four secure digital SIL3 FDI channels ■ 2 IO-Link Master V1.1 slots	Ident-No. 6814053

TBPB-L5-4FDI-4FDX	-	Ident-No. 100001826
	Compact PROFIsafe / PROFINET Block I/O Module Safe Digital Inputs and Outputs ■ PROFINET slave ■ Integrated Ethernet switch ■ 100 Mbps supported ■ 2 × M12, 4-pin, D-coded Ethernet fieldbus connection ■ Glass fiber reinforced housing ■ Shock and vibration tested ■ Fully potted module electronics ■ Protection classes IP65, IP67, IP69K ■ 7/8", 5-pin connectors for power supply ■ Four safe digital SIL3 inputs ■ Four safe configurable digital SIL3 inputs or outputs	
RKM52-0.3-RSM52	-	Ident-No. 6604743
	Power Supply Cable/PUR Extension Cable ■ Power cable: 5 × 1.5 mm² ■ Jacket material: PUR, color: gray ■ Jacket diameter: 8.5 mm ■ Suitable for drag chain use ■ Oil-resistant and flame-retardant ■ Halogen-free ■ Cable length: 0.3 m ■ 7/8" female, straight ■ 7/8" male, straight	
RSSD-RSSD-4416-0.3M	-	Ident-No. 6441647
	Industrial Ethernet/PROFINET Cable PUR Cable Jacket ■ M12 male, straight, D-coded ■ Ethernet cable: 4-pin, AWG 22 ■ CAT 5E ■ Jacket material: PUR ■ Jacket color: green ■ Shield: Aluminum foil overlapped, tinned copper wire ■ Jacket diameter: 6.5 mm ■ Suitable for drag chain use ■ Oil resistant acc. to IEC 60811-2-1 and UL13 ■ Free from halogen acc. to IEC 60754 ■ Flame-retardant acc. to IEC 60332-1-2 and UL2556 VW1 ■ RoHS-compliant ■ PNO-compliant ■ M12 male, straight	
TBIL-M1-16DXP	-	Ident-No. 6814102
	I/O Hub for Connecting Digital Signals to IO-Link Master 16 Universal Digital Channels, PNP ■ Rugged, fully potted I/O hub in IP67 ■ IO-Link diagnostics for short-circuit and supply voltage ■ 2 universal digital channels per port ■ Metal connector	
TBIL-M1-16DIP	-	Ident-No. 6814100
	I/O Hub for Connecting Digital Signals to IO-Link Master 16 Digital PNP Inputs ■ Rugged, fully potted I/O hub in IP67 ■ IO-Link diagnostics for short-circuit and supply voltage ■ 2 inputs per port ■ Metal connector	

TBIL-M1-16DXP-B	–	Ident-No. 100000881
	I/O Hub for Connection of Digital Signals to IO-Link Master 16 Universal Digital Channels, PNP ■ IO-Link V1.1 Class B ■ Galvanically separated class B supply supports passive safety ■ I&M data sets support installation and maintenance ■ IO-Link diagnostics for short-circuit and supply voltage ■ Max. 2 A per output ■ 2 universal digital channels per port	
TBIL-S3-8DXP	–	Ident-No. 100002595
	I/O Hub for Connecting Digital Signals to IO-Link Master 8 Universal Digital Channels, 8 M8 ports ■ IO-Link V1.1 Class A ■ I&M data sets support installation and maintenance ■ IO-Link diagnostics for short-circuit and supply voltage ■ One freely selectable digital channel per port	
TBIL-S3-8DIP	–	Ident-No. 100002594
	I/O Hub for Connecting Digital Signals to IO-Link Master 8 Digital Inputs, 8 M8 Ports ■ IO-Link V1.1 Class A ■ I&M data sets support installation and maintenance ■ IO-Link diagnostics for short-circuit and supply voltage ■ One freely selectable digital channel per port	
TBIL-S4-8DXP	–	Ident-No. 100002596
	I/O Hub for Connecting Digital Signals to IO-Link Master 8 Universal Digital Channels, 4 M12 Ports ■ IO-Link V1.1 Class A ■ I&M data sets support installation and maintenance ■ IO-Link diagnostics for short-circuit and supply voltage ■ Two freely selectable digital channels per port	
TBIL-S4-8DIP	–	Ident-No. 100002597
	I/O Hub for Connecting Digital Signals to IO-Link Master 8 Digital Inputs, 4 M12 Ports ■ IO-Link V1.1 Class A ■ I&M data sets support installation and maintenance ■ IO-Link diagnostics for short-circuit and supply voltage ■ 2 digital inputs per port	
FEN20-4DIP-4DXP	–	Ident-No. 6931090
	Compact IP20 multiprotocol Ethernet I/O module 4 digital inputs, 4 universal digital channels ■ EtherNet/IP slave ■ Modbus TCP Slave ■ PROFINET slave ■ 2 RJ45 ports for the Ethernet connection ■ Integrated Ethernet switch ■ 10/100 Mbps ■ 4 digital inputs ■ 4 universal digital channels, DI / DO ■ 24 VDC, PNP ■ Output current: 1.0 A	

FEN20-16DXP	–	Ident-No. 6931089
	Compact IP20 Multiprotocol Ethernet I/O Module 16 Universal Digital Channels ■ EtherNet/IP slave ■ Modbus TCP slave ■ PROFINET slave ■ 2 RJ45 ports for the Ethernet connection ■ Integrated Ethernet switch ■ 10/100 Mbps ■ 16 universal digital channels, DI / DO ■ 24 VDC, PNP ■ Output current: 1.0 A	
FEN20-4IOL	–	Ident-No. 6814140
	Compact IP20 Multiprotocol I/O Station 4 IO-Link Master Channels ■ EtherNet/IP slave ■ Modbus TCP slave ■ PROFINET slave ■ 2 RJ45 ports for the Ethernet connection ■ Integrated Ethernet switch ■ 10/100 Mbps ■ C/Q can be configured as digital inputs/outputs	
FEN20-EN1	–	Ident-No. 6931305
	Compact IP20 Multiprotocol Ethernet I/O module Master to Master Data Exchange, NAT Router ■ Two separate, electrically isolated Ethernet interfaces ■ Bi-directional data exchange between two networks ■ Protocol conversion between EtherNet/IP, Modbus TCP and Profinet ■ Profinet is supported on P2 Ethernet port ■ 1:1 NAT router ■ 10 Mbps/100 Mbps supported ■ 2 RJ45 ports for the Ethernet connection ■ 8 digital inputs ■ 24 VDC, PNP	
FDN20-BKT-DIN	–	Ident-No. Z0076
	Accessories for Fieldbus Systems Mounting Adapter for Fxx20 Modules of the S Design ■ DIN rail bracket fits small Fxx20 I/O stations ■ Mounts onto standard 35 mm DIN rail ■ Kit includes bracket and 2 mounting screws ■ Protection class IP20	

Fieldbus Technology – I/O System

BL20-E-GW-EC	–	Ident-No. 6827380
	Gateway for the BL20 I/O System Interface for EtherCAT ■ Protection class IP20 ■ 2 × end brackets BL20-WEW35/2-SW ■ 1 × end plate BL20-ABPL ■ Gateway between the BL20 system and EtherCAT ■ Modular Device Profile (MDP) supported ■ 10/100 Mbps, Auto MDIX ■ 2 × RJ45 female ■ LEDs for display of supply voltage, group and bus errors	
BL20-E-GW-EN	-	Ident-No. 6827329
	Gateway for the BL20 I/O System Multiprotocol Interface for Ethernet ■ Protection class IP20 ■ 2 × end brackets BL20-WEW35/2-SW ■ 1 × end plate BL20-ABPL ■ Multiprotocol gateway between the BL20 system and the Ethernet protocols Modbus TCP, EtherNet/IP and PROFINET (from VN 03-00) ■ PROFINET supports fast start-up (FSU) ■ EtherNet/IP supports QuickConnect (QC) ■ Integrated switch 10/100 Mbps ■ Two RJ45 ports for fieldbus connection ■ Push-in terminals for connection of power supply ■ LEDs for display of supply voltage, group and bus errors	
BL20-E-8AI-U/I-4PT/Ni	–	Ident-No. 6827325
	BL20 Economy Module 8 2-wire Analog Inputs U/I resp. 4 2/3-wire PT/Ni Inputs ■ Fieldbus-independent ■ Electronics and connection technology in one housing ■ Connectivity: Push-in terminals ■ Protection class IP20 ■ 8 analog 2-wire inputs U/I ■ Passive input - External supply ■ 0...20 mA, 4...20 mA, -10...+10 VDC or 0...+10 VDC, selectable per channel ■ Alternatively: 4PT/Ni inputs (always 2 analog inputs are combined to a PT/Ni 2/3-wire input) ■ LEDs indicate status and diagnostic ■ Electronics galvanically separated from the field level via optocouplers	
BL20-E-4AI-TC	–	Ident-No. 6827367
	BL20 Economy Module 4 Analog Thermocouple Inputs ■ Fieldbus-independent ■ Electronics and connection technology in one housing ■ Connectivity: Push-in terminals ■ Protection class IP20 ■ 4 analog inputs for the connection of thermocouples ■ Types B, C, E, G, J, K, N, R, S and T ■ Cold junction compensation via integrated Pt1000 probe ■ LEDs indicate status and diagnostic ■ Electronics galvanically separated from the field level via optocouplers	

BL20-E-4AO-U/I	–	Ident-No. 6827328
	BL20 Economy Module 4 Analog Outputs for Current/Voltage ■ Fieldbus-independent ■ Electronics and connection technology in one housing ■ Connectivity: Push-in terminals ■ Protection class IP20 ■ 4 analog outputs ■ 0...20 mA, 4...20 mA, -10...+10 VDC or 0...+10 VDC, ■ Selectable per channel ■ LEDs indicate status and diagnostic ■ Electronics galvanically separated from the field level via optocouplers	
BL20-E-8DI-24VDC-P	–	Ident-No. 6827227
	BL20 Economy Module 8 Digital Inputs ■ Fieldbus-independent ■ Electronics and connection technology in one housing ■ Connectivity: Push-in terminals ■ Protection class IP20 ■ 8 digital inputs, 24 VDC, PNP switching	
BL20-E-8DO-24VDC-0.5A-P	–	Ident-No. 6827226
	BL20 Economy Module 8 Digital Outputs ■ Fieldbus-independent ■ Electronics and connection technology in one housing ■ Connectivity: Push-in terminals ■ Protection class IP20 ■ 8 digital outputs, 24 VDC, max. 0.5 A, PNP switching	
BL20-E-4IOL-10	–	Ident-No. 100001334
	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	
BL20-E-16DI-24VDC-P	–	Ident-No. 6827231
	BL20 Economy Module 16 Digital Inputs ■ Fieldbus-independent ■ Electronics and connection technology in one housing ■ Connectivity: Push-in terminals ■ Protection class IP20 ■ 16 digital inputs, 24 VDC, PNP switching	

BL20-E-16DO-24VDC-0.5A-P	–	Ident-No. 6827230
	BL20 Economy Module 16 Digital Outputs ■ Fieldbus-independent ■ Electronics and connection technology in one housing ■ Connectivity: Push-in terminals ■ Protection class IP20 ■ 16 digital outputs, 24 VDC, max. 0.5 A, PNP switching	

Machine Safety

SC10-2ROE

Ident-No. 3806222



- Safety Technology
Programmable Safety Controller
- Safety category 4, PLe acc. to ISO 13849-1
 - SIL 3 acc. to IEC 61508 and IEC 62061
 - Adjustment via software
 - Operating voltage 24 VDC +-20%
 - Protection class IP20
 - Freeware (included in delivery)
 - 10 inputs, of which 4 can be reconfigured as outputs
 - Two independent safety relay outputs
 - Intuitive programming interface
 - Ethernet connection, up to 256 virtual status outputs can be achieved

SC26-2

Ident-No. 3085065



- Safety Technology
Programmable Safety Controller
- PLe acc. to ISO 13849-1
 - Safety category 4 acc. to EN 954-1
 - SIL 3 acc. to IEC 61508 and IEC 62061
 - Settings made via pushbutton or software
 - Operating voltage 24 VDC +-20%
 - Protection class IP20
 - Freeware (included in delivery)
 - 26 inputs, of which 8 can be reconfigured as outputs
 - 2 independent safety outputs
 - Intuitive programming interface

SC26-2DE

Ident-No. 3085068



- Safety Technology
Programmable Safety Controller
- PLe acc. to ISO 13849-1
 - Safety category 4 acc. to EN 954-1
 - SIL 3 acc. to IEC 61508 and IEC 62061
 - Settings made via pushbutton or software
 - Operating voltage 24 VDC +-20%
 - Protection class IP20
 - Freeware (included in delivery)
 - 26 inputs, of which 8 can be reconfigured as outputs
 - 2 independent safety outputs
 - Intuitive programming interface
 - Display
 - Ethernet connection, up to 64 virtual status outputs can be achieved

XS26-2

Ident-No. 3085061



- Safety Technology
Expandable Programmable Safety Controller
- PLe acc. to ISO 13849-1
 - SIL 3 acc. to IEC 61508 and IEC 62061
 - Settings made via pushbutton or software
 - Expandable with relays, input and output modules
 - Operating voltage 24 VDC +-20%
 - Protection class IP20
 - Freeware (included in delivery)
 - 26 inputs, of which 8 can be reconfigured as outputs
 - 2 independent safety outputs
 - Intuitive programming interface

XS26-2DE

Ident-No. 3085064



- Safety Technology
Expandable Programmable Safety Controller
- PLe acc. to ISO 13849-1
 - SIL 3 acc. to IEC 61508 and IEC 62061
 - Settings made via pushbutton or software
 - Expandable with relays, input and output modules
 - Operating voltage 24 VDC +-20%
 - Protection class IP20
 - Freeware (included in delivery)
 - 26 inputs, of which 8 can be reconfigured as outputs
 - 2 independent safety outputs
 - Intuitive programming interface
 - Display
 - Ethernet connection, up to 64 virtual status outputs can be achieved

XS8SI

Ident-No. 3085070



- Safety Technology
Safety Input Module
- Only for use with XS26-2xx safety controller
 - PLe acc. to ISO 13849-1
 - SIL 3 acc. to IEC 61508 and IEC 62061
 - Protection class IP20
 - 8 safety inputs, of which 2 can be reconfigured as outputs

XS16SI

Ident-No. 3085069



- Safety Technology
Safety Input Module
- Only for use with XS26-2xx safety controller
 - PLe acc. to ISO 13849-1
 - SIL 3 acc. to IEC 61508 and IEC 62061
 - Protection class IP20
 - 16 safety inputs, of which 4 can be reconfigured as outputs

XS2SO

Ident-No. 3085072



- Safety Technology
Safety Output Module
- Only for use with XS26-2xx safety controller
 - PLe acc. to ISO 13849-1
 - SIL 3 acc. to IEC 61508 and IEC 62061
 - Protection class IP20
 - 2 independent safety outputs

XS4SO

Ident-No. 3085073



- Safety Technology
Safety Output Module
- Only for use with XS26-2xx safety controller
 - PLe acc. to ISO 13849-1
 - SIL 3 acc. to IEC 61508 and IEC 62061
 - Protection class IP20
 - 4 independent safety outputs

XS1RO	Ident-No. 3085074
	Safety Technology Two-channel Safety Relay Output ■ Only for use with XS26-2xx safety controller ■ PLe acc. to ISO 13849-1 ■ SIL 3 acc. to IEC 61508 and IEC 62061 ■ Protection class IP20 ■ 1 2-channel safety relay output ■ 2 NO, 1 NC
XS2RO	Ident-No. 3085075
	Safety Technology Two-channel Safety Relay Output ■ Only for use with XS26-2xx safety controller ■ PLe acc. to ISO 13849-1 ■ SIL 3 acc. to IEC 61508 and IEC 62061 ■ Protection class IP20 ■ 2 2-channel safety relay outputs ■ 2 NO, 1 NC per channel
SX5-B	Ident-No. 3806006
	Safety Technology Laser Scanner ■ PL d in accordance with EN ISO 13849-1 ■ Category 3 in accordance with EN ISO 13849-1 ■ SIL 2 to IEC 61508 ■ Parametrized via software ■ Protective field up to 5.5 m ■ Warning field up to 40 m ■ Up to 6 zones can be defined ■ Angular range max. 275° ■ Angular resolution 0.1° ■ Optical resolution: 40 mm, 70 mm ■ Laser class 1 acc. to EN 60825-1 ■ Especially resistant to shock and vibrations ■ Protection class IP65 ■ Max. range: 40 m
SLPVAP14-270	Ident-No. 3805342
	Personnel Safety, Light Screen Emitter/Receiver Pair ■ Personnel safety Cat 4, PL e acc. to EN ISO 13849-1:2008 ■ Type 4 according to IEC 61496-1,-2 ■ SIL 3 to IEC 61508 ■ Electrical connection via RDLP-8 with open end or via DELPE-8 with male M12 x 1, 8-pin ■ Protection class IP65 ■ Flat housing without blind zone ■ Operating voltage: 24 VDC ± 15 % ■ Resolution 14 mm ■ Scan field 270 mm (L1) ■ Max. range: 7000 mm
SLPVAP14-410	Ident-No. 3805289
	Personnel Safety, Light Screen Emitter/Receiver Pair ■ Personnel safety Cat 4, PL e acc. to EN ISO 13849-1:2008 ■ Type 4 according to IEC 61496-1,-2 ■ SIL 3 to IEC 61508 ■ Electrical connection via RDLP-8 with open end or via DELPE-8 with male M12 x 1, 8-pin ■ Protection class IP65 ■ Flat housing without blind zone ■ Operating voltage: 24 VDC ± 15 % ■ Resolution 14 mm ■ Scan field 410 mm (L1) ■ Max. range: 7000 mm

SLPVAP14-550	Ident-No. 3805341
	Personnel Safety, Light Screen Emitter/Receiver Pair ■ Personnel safety Cat 4, PL e acc. to EN ISO 13849-1:2008 ■ Type 4 according to IEC 61496-1,-2 ■ SIL 3 to IEC 61508 ■ Electrical connection via RDLP-8 with open end or via DELPE-8 with male M12 × 1, 8-pin ■ Protection class IP65 ■ Flat housing without blind zone ■ Operating voltage: 24 VDC ± 15 % ■ Resolution 14 mm ■ Scan field 550 mm (L1) ■ Max. range: 7000 mm
SLPVAP14-690	Ident-No. 3805366
	Personnel Safety, Light Screen Emitter/Receiver Pair ■ Personnel safety Cat 4, PL e acc. to EN ISO 13849-1:2008 ■ Type 4 according to IEC 61496-1,-2 ■ SIL 3 to IEC 61508 ■ Electrical connection via RDLP-8 with open end or via DELPE-8 with male M12 × 1, 8-pin ■ Protection class IP65 ■ Flat housing without blind zone ■ Operating voltage: 24 VDC ± 15 % ■ Resolution 14 mm ■ Scan field 690 mm (L1) ■ Max. range: 7000 mm
SSA-EB1P-02ECQ4	Ident-No. 3025298
	Safety Technology E-stop Button Unlit ■ Protection class IP65 ■ 2 safety outputs (NC, potential-free) ■ M12 × 1 male connector, 4-pin
SSA-EB1PLYR-12ECQ8	Ident-No. 3025304
	Safety Technology E-stop Button Illuminated ■ Protection class IP65 ■ 2 safety outputs (NC, potential-free) ■ 1 auxiliary output (NO, PNP) ■ M12 × 1 male connector, 8-pin ■ Non-actuated lighting: yellow steady ■ Lighting circuit externally interrupted: red steady ■ Actuated lighting: red flashing
SSA-EB1PLXR-12ECQ8	Ident-No. 3025305
	Safety Technology E-stop Button Illuminated ■ Protection class IP65 ■ 2 safety outputs (NC, potential-free) ■ 1 auxiliary output (NO, PNP) ■ M12 × 1 male connector, 8-pin ■ Non-actuated lighting: none ■ Lighting circuit externally interrupted: red steady ■ Actuated lighting: red flashing

SI-RFA-P	Ident-No. 3806411
	Safety Technology Terminating Resistor for RFID safety switches ■ Terminating resistor for safety RFID switches ■ Male, 4-pin ■ Only for cascable RFID switches SI-RFDxxx or SI-RFSxxx
SI-RFA-TS	Ident-No. 3806409
	Safety Technology T-piece for RFID safety switches ■ Two-way splitter for safety RFID switches ■ For connecting multiple safety RFID switches as a cascade system ■ Female — male, 4-pin ■ Female, 8-pin ■ Only for cascable RFID switches SI-RFDxxx or SI-RFSxxx
SI-MAGB2SMQD	Ident-No. 3807139
	Machine Safety Magnetic Safety Switch ■ Contactless switch ■ Tamper-proof via coded magnets ■ Requires coded magnets SI-MAGB2MM for operation ■ 1 NC contact ■ 1 NO (NO) contact ■ SIL 3 (IEC 61508) ■ PL e (ISO 13849-1) ■ Max. range: 14 mm
SI-MAGB2MM	Ident-No. 3807138
	Machine Safety Coded Magnet for Magnetic Safety Switch ■ Tamper-proof ■ Magnetic safety switch SI-MAGB2SMxx required for operation
SI-MAGB1SMQD	Ident-No. 3807124
	Machine Safety Magnetic Safety Switch ■ Contactless switch ■ Tamper-proof via coded magnets ■ Requires coded magnets SI-MAGB1MM for operation ■ 1 NC contact ■ 1 NO (NO) contact ■ SIL 3 (IEC 61508) ■ PL e (ISO 13849-1) ■ Max. range: 14 mm
SI-MAGB1MM	Ident-No. 3807144
	Machine Safety Coded Magnet for Magnetic Safety Switch ■ Tamper-proof ■ Magnetic safety switch SI-MAGB1SMxx required for operation

SI-MAGB3SMQD	Ident-No. 3807135
	Machine Safety Magnetic Safety Switch ■ Contactless switch ■ Tamper-proof via coded magnets ■ Requires coded magnets SI-MAGB3MM for operation ■ 1 NC contact ■ 1 NO (NO) contact ■ SIL 3 (IEC 61508) ■ PL e (ISO 13849-1) ■ Max. range: 14 mm
SI-MAGB3MM	Ident-No. 3807134
	Machine Safety Coded Magnet for Magnetic Safety Switch ■ Tamper-proof ■ Magnetic safety switch SI-MAGB3SMxx required for operation
STBVP6	Ident-No. 3064179
	Photoelectric Sensor Touch Switch For Two-Hand Control System ■ Safety category 4 according to EN ISO 13849-1 for use with corresponding evaluation relays ■ SIL 3 acc. to IEC 61508 and IEC 62061 ■ Cable, PVC, 2m ■ Protection class IP66 ■ Operating voltage: 10...30 VDC ■ 1 safety NO output PNP ■ 1 safety NC output PNP ■ Ergonomically shaped ■ Upper housing part of polyetherimide
STBVR81	Ident-No. 3064190
	Photoelectric Sensor Touch Switch For Two-Hand Control System ■ Safety category 4 according to EN ISO 13849-1 for use with corresponding evaluation relays ■ SIL 3 acc. to IEC 61508 and IEC 62061 ■ Cable, PVC, 2m ■ Protection class IP66 ■ Operating voltage: 20...30 V AC/DC ■ Relay output, 125 VDC / 150 VAC, 1A DC / AC 0.4 A max. ■ Ergonomically shaped ■ Upper housing part of polyetherimide
SI-RFDT-LP8	Ident-No. 3806398
	Safety Technology RFID Safety Switch ■ Contactless safety sensor for cascading ■ Coding type: low ■ Reset: automatic ■ Diagnostics: detailed ISD (in-series diagnostic) diagnostic system for a complete status image (not safety-relevant) ■ Operating status indicator (green/red) ■ Switching output indicator (yellow) ■ IP69K ■ SIL 3 (IEC 61508) ■ PL e (ISO 13849-1) ■ Max. range: 25 mm

SI-RFDT-HP8	Ident-No. 3806397
	Safety Technology RFID Safety Switch ■ Contactless safety sensor for cascading ■ Coding type: high ■ Reset: automatic ■ Diagnostics: detailed ISD (in-series diagnostic) diagnostic system for a complete status image (not safety-relevant) ■ Operating status indicator (green/red) ■ Switching output indicator (yellow) ■ IP69K ■ SIL 3 (IEC 61508) ■ PL e (ISO 13849-1) ■ Max. range: 25 mm
SI-RFDT-UP8	Ident-No. 3806396
	Safety Technology RFID Safety Switch ■ Contactless safety sensor for cascading ■ Coding type: unique ■ Reset: automatic ■ Diagnostics: detailed ISD (in-series diagnostic) diagnostic system for a complete status image (not safety-relevant) ■ Operating status indicator (green/red) ■ Switching output indicator (yellow) ■ IP69K ■ SIL 3 (IEC 61508) ■ PL e (ISO 13849-1) ■ Max. range: 25 mm
SI-RF-A	Ident-No. 3806408
	Safety Technology Actuator for RFID Safety Switch ■ Tamper-proof ■ RFID safety switch SI-RFxxx required for operation
RDLP-815D	Ident-No. 3080792
	Machine Safety Connection Cable, 2 m For Safety Light Curtains ■ For connection of EZ-Screen LP light screens ■ RD connector to on open end ■ Cable, PVC, yellow, 8-core ■ Cable length: 4.6 m
LPA-MBK-10	Ident-No. 3803205
	Machine Safety Mounting Bracket For Safety Light Curtains ■ Mounting bracket for the EZ-screen Low Profile Series ■ Stainless steel, black galvanized ■ Rotatable: 40° ■ Two brackets and screw joints included in delivery

Industrial Controls and HMIs

TX104-00VPST	–	Ident-No. 100002311
	TX100 HMI Series 4" Display with TX VisuPro Runtime ■ 4.3" TFT wide screen color display ■ LED backlight ■ 480 × 272 pixel resolution ■ 64 K colors ■ Resistive touch screen ■ 1 RJ45 Ethernet port ■ 1 serial interface (RS232, RS485, RS422) ■ 1 USB host port	
TX107-00VPST	–	Ident-No. 100002312
	TX100 HMI Series 7" display with TX VisuPro Runtime ■ 7" TFT wide screen color display ■ LED backlight ■ 800 × 480 pixel resolution ■ 64 K colors ■ Resistive touch screen ■ 1 RJ45 Ethernet port ■ 1 serial interface (RS232, RS485, RS422) ■ 1 USB host port	
TX110-00VPST	–	Ident-No. 100002313
	TX100 HMI Series 10" display with TX VisuPro Runtime ■ 10.1" TFT color display ■ LED backlight ■ 1024 × 600 pixel resolution ■ 64 K colors ■ Resistive touch screen ■ 1 RJ45 Ethernet port ■ 1 serial interface (RS232, RS485, RS422) ■ 1 USB host port	
TX207-P3CV01	–	Ident-No. 100002080
	TX200 HMI/PLC Series 7" Display - CODESYS V3 PLC with TARGET and WEB VISU ■ 7" TFT wide screen color display ■ LED backlight ■ 800 × 480 pixel resolution ■ 64 K colors ■ Resistive touch screen ■ 2 separate RJ45 Ethernet ports ■ 4 serial interfaces (2 × RS232, 2 × RS422/RS485) ■ 2 CAN interfaces ■ 2 USB host ports	

TX705-P3CV01	–	Ident-No. 100002029
	TX700 HMI/PLC Series 5" Display - CODESYS V3 PLC with TARGET and WEB VISU ■ 5" TFT wide screen color display ■ LED backlight ■ 800 × 480 pixel resolution ■ 64 K colors ■ Capacitive touchscreen with glass front ■ 2 separated RJ45 Ethernet ports with 10/100 Mbit ■ 1 serial interface (RS232, RS485, RS422) ■ 1 USB host port ■ 1 SD card slot	
TX707-P3CV01	–	Ident-No. 100002030
	TX700 HMI/PLC Series 7" Display - CODESYS V3 PLC with TARGET and WEB VISU ■ 7" TFT wide screen color display ■ LED backlight ■ 800 × 480 pixel resolution ■ 16 M colors ■ Capacitive touchscreen with glass front ■ 1 RJ45 Ethernet port with 10/100/1000 Mbit ■ 2 RJ45 Ethernet ports with 10/100 Mbit ■ 1 serial interface (RS232, RS485, RS422) ■ 2 USB host ports ■ 1 SD card slot	
TX710-P3CV01	–	Ident-No. 100002031
	TX700 HMI/PLC Series 10" Display - CODESYS V3 PLC with TARGET and WEB VISU ■ 10" TFT wide screen color display ■ LED backlight ■ 1280 × 800 pixel resolution ■ 16 M colors ■ Capacitive touchscreen with glass front ■ 1 RJ45 Ethernet port with 10/100/1000 Mbit ■ 2 RJ45 Ethernet ports with 10/100 Mbit ■ 1 serial interface (RS232, RS485, RS422) ■ 2 USB host ports ■ 1 SD card slot	
TX715-P3CV01	–	Ident-No. 100002032
	TX700 HMI/PLC Series 15" Display - CODESYS V3 PLC with TARGET and WEB VISU ■ 15" TFT wide screen color display ■ LED backlight ■ 1366 × 768 pixel resolution ■ 16 M colors ■ Capacitive touchscreen with glass front ■ 1 RJ45 Ethernet port with 10/100/1000 Mbit ■ 2 RJ45 Ethernet ports with 10/100 Mbit ■ 1 serial interface (RS232, RS485, RS422) ■ 2 USB host ports ■ 1 SD card slot	

TX721-P3CV01	–	Ident-No. 100002033
	TX700 HMI/PLC Series 21" Display - CODESYS V3 PLC with TARGET and WEB VISU ■ 21" TFT wide screen color display ■ LED backlight ■ 1920 × 1080 pixel resolution ■ 16 M colors ■ Capacitive touchscreen with glass front ■ 1 RJ45 Ethernet port with 10/100/1000 Mbit ■ 2 RJ45 Ethernet ports with 10/100 Mbit ■ 1 serial interface (RS232, RS485, RS422) ■ 2 USB host ports ■ 1 SD card slot	
TX-PSC	–	Ident-No. 100002938
	TX HMI/PLC Series Power Supply Plug for TX HMI Devices ■ For use with HMIs of the TX product series ■ Suitable for TX100, TX200, TX500 and TX700 ■ 1 power supply connector	
TX-RS232	–	Ident-No. 100002599
	TX HMI/PLC Series Plug-In Module ■ Plug-in expansion module for use with HMIs of the TX500 and TX700 product series ■ RS232 Interface ■ 9-pin SUB-D female connector ■ With plug-in expansion slot	
TX-RS485	–	Ident-No. 100002598
	TX HMI/PLC Series Plug-In Module ■ Plug-in expansion module for use with HMIs of the TX500 and TX700 product series ■ RS485 / RS422 interface ■ Galvanically isolated ■ 9-pin SUB-D female connector ■ With plug-in expansion slot	

TX-UMTS	–	Ident-No. 100009535
	TX HMI/PLC Series Plug-In Module ■ Plug-in extension module for use with HMI/PLC of the TX700 series ■ Supports GSM/GPRS/EDGE and UMTS/HSDPA/HSUPA mobile networks ■ 2 digital inputs/2 digital outputs ■ 4 LED indicators (module status and network status) ■ Micro SIM slot ■ With plug-in extension slot	
TX-CAN	–	Ident-No. 6828210
	TX HMI/PLC Series Plug-In Module CANopen Manager ■ Plug-in expansion module for use with HMIs of the TX500 and TX700 product series ■ CANopen Manager/Master in CODESYS ■ Max. 1 Mbit transfer rate ■ Supports CAN 2.0A and 2.0B ■ Galvanically isolated ■ 9-pin SUB-D male connector ■ With plug-in expansion slot	
TX-DP-S	–	Ident-No. 100010167
	TX HMI/PLC Series Plug-In Module ■ Plug-in expansion module for use with HMIs of the TX500 and TX700 product series ■ PROFIBUS-DP slave in TX VisuPro ■ Max. 12 Mbit transfer rate ■ 9-pin SUB-D female connector	
TX-EXTEND	–	Ident-No. 100004786
	TX HMI/PLC Series Plug-In Module ■ Bus extension for mechanical adaptation for using the plug-in module TX-IO-XX03 ■ Plug-in extension module for use with TX504 and TX705 HMIs	
TX-IO-DX06	–	Ident-No. 6828203
	TX HMI/PLC Series Plug-In Module 8 DI, 6 DO, 1 Relay Output ■ Plug-in expansion module for use with HMIs of the TX500 and TX700 product series ■ I/O Modules ■ 8 digital inputs, 24 VDC, PNP ■ 6 digital outputs, 24 VDC, 0.5 A, PNP ■ 1 relay, NO contact	

TX-IO-XX03	–	Ident-No. 6828201
	TX HMI/PLC Series Plug-In Module 20 DI, 12 DO 0.5 A, 4 AI (U, I, RTD, TC), 4 AO (U, I) ■ Plug-in expansion module for use with HMIs of the TX500 and TX700 product series ■ I/O Modules ■ 20 digital inputs, 24 VDC, PNP ■ 12 digital outputs, 24 VDC, 0.5 A, PNP ■ 4 analog inputs, U, I, RTD, TC ■ 4 analog outputs, U, I	
TBEN-L5-PLC-10	–	Ident-No. 6814018
	Compact PLC in IP67 CODESYS V3 ■ CODESYS PLC Runtime ■ CODESYS OPC-UA Server ■ IoT gateway for Turck Cloud ■ Eight universal digital I/O channels ■ PROFINET, EtherNet/IP, Modbus, CAN, RS232, RS485 ■ Ethernet 2 × M12, switched or dual MAC mode	
TBEN-L5-PLC-11	–	Ident-No. 100000272
	Compact PLC in IP67 CODESYS V3 - with WebVisu License ■ CODESYS PLC Runtime ■ CODESYS WebVisu License ■ CODESYS OPC-UA Server ■ IoT gateway for Turck Cloud ■ Eight universal digital I/O channels ■ PROFINET, EtherNet/IP, Modbus, CAN, RS232, RS485 ■ Ethernet 2 × M12, switched or dual MAC mode	
BL20-PG-EN-V3	–	Ident-No. 6827393
	CODESYS 3 Programmable Gateway for the BL20 I/O System Multiprotocol Ethernet Gateway for PROFINET, EtherNet/IP and Modbus TCP ■ Programmable multiprotocol Ethernet gateway for PROFINET, EtherNet/IP and Modbus TCP ■ OPC-Server ■ CODESYS V3 programmable acc. to IEC 61131-3 ■ Ethernet and USB programming interface ■ Protection class IP20 ■ Integrated Ethernet switch allows line topology ■ 2 × RJ45 ports, Ethernet fieldbus connection ■ Integrated power supply ■ LEDs for display of PLC status, supply voltage, group and bus errors	
BL67-PG-EN-V3	–	Ident-No. 6827394
	CODESYS 3 Programmable Gateway for the BL67 I/O System Multiprotocol Ethernet Gateway for PROFINET, EtherNet/IP and Modbus TCP ■ CODESYS V3 programmable acc. to IEC 61131-3 ■ Ethernet and USB programming interface ■ Protection class IP67 ■ Programmable multiprotocol Ethernet gateway for PROFINET, EtherNet/IP and Modbus TCP ■ OPC-Server ■ Integrated Ethernet switch allows line topology ■ 2 × M12, 4-pol. D-encoded, Ethernet-fieldbus connection ■ 7/8" male connector for power supply, 5-pin ■ Integrated power supply ■ LEDs for display of PLC status, supply voltage, group and bus errors	

Lighting and Indication – LED Indicators

K30LGRYPQ	Ident-No. 3078925
	LED Indicator Beacon ■ LED all-round visible ■ Individually controllable ■ Mechanical screw-in thread M22 × 1.5 ■ Protection class IP67 ■ Male M12 × 1 ■ Operating voltage 10...30 VDC ■ Multicolor: Green (COL 1) / Red (COL 2) / Yellow (COL 3)
K30L2RGB7Q	Ident-No. 3802140
	LED Indicator Beacon ■ LED all-round visible ■ Individually controllable ■ Mechanical screw-in thread M22 × 1.5 ■ Protection class IP67 ■ Male M12 × 1 ■ Operating voltage 10...30 VDC ■ In the standard settings, up to seven colors can be displayed in accordance with the logic table (COL 1, COL 2, COL 3, flashing function). ■ Can be configured using Pro Editor, can display up to 14 colors, various lighting animations, configurable I/O-block compatibility.
K50LGRYPQ	Ident-No. 3075671
	LED Indicator Beacon ■ All-round LED display ■ Individually controllable ■ Mechanical screw-in thread M30 × 1.5 ■ Protection classes IP67/IP69K ■ Male M12 × 1 ■ Operating voltage 18...30 VDC ■ Multicolor: Green (COL 1) / Red (COL 2) / Yellow (COL 3)
K50L2RGB7Q	Ident-No. 3802145
	LED Indicator Beacon ■ All-round LED display ■ Individually controllable ■ Mechanical screw-in thread M30 × 1.5 ■ Protection classes IP67/IP69K ■ Male M12 × 1 ■ Operating voltage 18...30 VDC ■ In the standard settings, up to seven colors can be displayed in accordance with the logic table (COL 1, COL 2, COL 3, flashing function). ■ Can be configured using Pro Editor, can display up to 14 colors, various lighting animations, configurable I/O-block compatibility.
K50L2RGBKQ	Ident-No. 3802158
	LED Indicator Beacon ■ All-round LED display ■ Individually controllable ■ Mechanical screw-in thread M30 × 1.5 ■ Protection classes IP67/IP69K ■ Male M12 × 1 ■ Operating voltage 18...30 VDC ■ Up to 12 predefined colors or millions of customized colors can be displayed. ■ Flashing function, alternation, two-colored displays and intensity check

TL50GYRQ	-	Ident-No. 3081861
	LED Indicator Tower Light ■ Plastic housing, black ■ EMI and RFI immune ■ Protection class IP67 ■ M12 × 1 male connector ■ Operating voltage: 18...30 VDC or 24 VAC with 45 mA per LED color ■ Inputs: PNP/NPN ■ Multicolor: Green (COL 1) / Yellow (COL 2) / Red (COL 3)	
TL50GYRAQ	-	Ident-No. 3083214
	LED Indicator Tower Light ■ Beeper max. 92 dB ■ Plastic housing, black ■ EMI and RFI immune ■ Protection class IP50 ■ M12 × 1 male ■ Operating voltage: 18...30 VDC or 24 VAC with 45 mA per LED color ■ Inputs: PNP/NPN ■ Multicolor: Green (COL 1) / Yellow (COL 2) / Red (COL 3)	
TL503AKQ		Ident-No. 3804944
	LED Indicator Tower Light ■ Beeper max. 92 dB ■ Plastic housing, black ■ EMI and RFI immune ■ Protection class IP50 ■ M12 × 1 male ■ Control and parametrization exclusively via IO-Link ■ Flexible display with RGB LEDs ■ Control of user-defined or predefined light colors ■ Flashing function, alternation, two-colored display and intensity check	
TL504AKQ		Ident-No. 3804945
	LED Indicator Tower Light ■ Beeper max. 92 dB ■ Plastic housing, black ■ EMI and RFI immune ■ Protection class IP50 ■ M12 × 1 male ■ Control and parametrization exclusively via IO-Link ■ Flexible display with RGB LEDs ■ Control of user-defined or predefined light colors ■ Flashing function, alternation, two-colored display and intensity check	
TL505AKQ		Ident-No. 3804946
	LED Indicator Tower Light ■ Beeper max. 92 dB ■ Plastic housing, black ■ EMI and RFI immune ■ Protection class IP50 ■ M12 × 1 male ■ Control and parametrization exclusively via IO-Link ■ Flexible display with RGB LEDs ■ Control of user-defined or predefined light colors ■ Flashing function, alternation, two-colored display and intensity check	

Lighting and Indication – Task Lighting

WLS15XDW0220DSC2	Ident-No. 3802025
	Work Light Linear Light ■ Protection class IP67 ■ Connection: Cable, PVC, 2 m ■ Length of the illuminated area L: 146.4 mm ■ Operating voltage: 10...15 VDC or 20...27 VDC ■ Dimmable from 25 to 100 % with up to 1000 Hz over the input signal ■ Color: Cold white ■ Illuminance at 0.5 m: 247 Lx
WLB32C285PBQ	Ident-No. 3087481
	Work Light Linear Light ■ Cascadable via M12 × 1 female connector, 4-pin ■ ON/OFF switch ■ Operating voltage: 12...30 VDC ■ Light beam: 285 mm ■ Housing length: 320 mm ■ M12 × 1 connector ■ Color: White
WLB32C570PBQ	Ident-No. 3087482
	Work Light Linear Light ■ Cascadable via M12 × 1 female connector, 4-pin ■ ON/OFF switch ■ Operating voltage: 12...30 VDC ■ Light beam: 570 mm ■ Housing length: 602 mm ■ M12 × 1 connector ■ Color: White
WLB32C850PBQ	Ident-No. 3087483
	Work Light Linear Light ■ Cascadable via M12 × 1 female connector, 4-pin ■ ON/OFF switch ■ Operating voltage: 12...30 VDC ■ Light beam: 850 mm ■ Housing length: 884 mm ■ M12 × 1 connector ■ Color: White
WLB32C1130PBQ	Ident-No. 3087484
	Work Light Linear Light ■ Cascadable via M12 × 1 female connector, 4-pin ■ ON/OFF switch ■ Operating voltage: 12...30 VDC ■ Light beam: 1130 mm ■ Housing length: 1166 mm ■ M12 × 1 connector ■ Color: White

WLAW105X180L22Q**Ident-No. 3085652**

Work Light

Area Light

- Protection classes IP67/IP69K
- Operating voltage: 12...30 VDC
- M12 × 1 connector
- Color: Cold white
- Illuminance at 1 m: 1110 Lx
- Illumination area: 105 mm × 180 mm

Your Global Automation Partner!

Argentina
Aumecon S.A.
Munro
+54 11 47561251 | aumeco@aumecon.com.ar

Australia
Turck Australia Pty. Ltd.
Victoria
+61 3 95609066 | australia@turck.com

Austria
Turck GmbH
Wien
+43 1 4861587 | austria@turck.com

Bahrain
Turck Middle East S.P.C.
Manama, Bahrain
+973 13 638288 | middleeast@turck.com

Belarus
FEK Company
Minsk
+375 17 2102189 | turck@fek.by

Belgium
Turck Multiprox N. V.
Aalst
+32 53 766566 | mail@multiprox.be

Bosnia & Herzegovina
Tipteh d.o.o.
Sarajevo
+387 61923623 | nadir.durmic@tipteh.ba

Bolivia
Centralmatic
Cochabamba
+591 77457805 | dmiranda@centralmatic.net

Brazil
Turck do Brazil Ltda.
São Paulo
+55 11 26769600 | brazil@turck.com

Brunei
Turck Singapore Pte. Ltd.
Singapore
+65 65628716 | singapore@turck.com

Bulgaria
Sensomat Ltd.
Dobrich
+359 58 603023 | info@sensomat.info

Canada
Turck Chartwell Canada Inc.
Ontario
+1 905 5137100 | sales@chartwell.ca

Chile
Comercializadora EGA Flow Ltda.
Santiago de Chile
+56 9 86619642 | info@egaflow.cl

PR of China
Turck(Tianjin) Sensor Co. Ltd.
Tianjin
+86 22 83988188 | china@turck.com

Colombia
Dakora S.A.S.
Chia
571 8630669 | ventas@dakora.com.co

Costa Rica
Turck Inc./USA
Minneapolis, MN, USA
+1 763 5539224 | usa@turck.com

Croatia
Tipteh Zagreb d.o.o.
Zagreb
+385 1 3816574 | tipteh@tipteh.hr

Cyprus
AGF Trading & Engineering Ltd.
Nicosia
+357 22 313900 | agf@agfelect.com

Czech Republic
Turck s.r.o.
Hradec Králové
+420 495 518766 | czech@turck.com

Denmark
Hans Folsgaard A/S
Køge
+45 43 208600 | hf@hf.dk

Dominican Republic
Turck Inc./USA
Minneapolis, MN, USA
+1 763 5537300 | usa@turck.com

Ecuador
Bracero & Bracero Ingenieros
Quito
+593 9 7707610 | bracero@bracero-ingenieros.com

Egypt
Electric Technology
Alexandria
+20 3 4248224 | electech@electech.com.eg

EL Salvador
Elektro S.A.
El Salvador
+502 7952-5640 | info@elektroelsalvador.com

Estonia
Osauhing „System Test“
Tallinn/Estonia
+37 2 6405423 | systemtest@systemtest.ee

Finland
Sarlin Oy AB
Vantaa
+358 10 5504000 | info@sarlin.com

France
Turck Banner S.A.S.
Magny le Hongre
+33 0 60436070 | info@turckbanner.fr

Great Britain
TURCK BANNER LIMITED
Wickford, Essex
+44 1268 578888 | enquiries@turckbanner.co.uk

Greece
Athanassios Greg. Manias
Athens
+30 210 9349903 | info@manias.gr

Guatemala
Prysa
Guatemala City
+502 2268-2800 | info@prysaguatemala.com

Honduras
Turck Inc./USA
Minneapolis, MN, USA
+1 763 5537300 | usa@turck.com

Hong Kong
Hilford Trading Ltd.
Hong Kong
+852 26245956 | hilford@netvigator.com

Hungary
Turck Hungary Kft.
Budapest
+36 1 4770740 | hungary@turck.com

Iceland
Km Stal HF
Reykjavik
+352 5678939 | kalli@kmstal.is

India
Turck India Automation Pvt. Ltd
Pune 411045
+91 7768933005 | india@turck.com

Indonesia
Turck Singapore Pte. Ltd.
Singapore
+65 65628716 | singapore@turck.com

Iran
FNT Faranegar TabrizIrland
Tabriz
+98 4133362670 | www.fntco.com

Iran
Dibaco Instrumentation & Control Solutions
Teheran
+98 2844218070 | db@dbaco.com

Ireland
Tektron Electrical
Cork
+353 21 4313331 | webenquiry@tektron.ie

Israel
Robkon Industrial Control & Automation Ltd.
Ramat-Ga
+972 3 6732821 | robkonfr@inter.net.il

Israel
Zivan Scientific Instruments Ltd.
Ir-Gamin Kiryat Ata
+972 4 8729822 | gili@zivan.co.il

Italy
Turck Banner S.R.L.
Bareggio
+39 02 90364291 | info@turckbanner.it

Japan
Turck Japan Corporation
Tokyo
+81 3 57722820 | japan@turck.com

Jordan
Technology Integration
Amman-Jordan
+962 6 4644571 | info@ti.jo

Kenya
Westlink Limited
Eldoret
+254 53 2062372/3 | sales@westlinkltd.co.ke

Korea (South)
Turck Korea Co. Ltd.
Gyeonggi Do
+82 2 20831630 | korea@turck.com

Kuwait
Warba National Contracting
South Subhan
+965 24763981 | sales.wncc@warbagroup.com

Latvia
Will Sensors
Riga
+37 1 67718678 | info@willsensors.lv

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Lebanon
Industrial Technologies (ITEC)
Beirut
+961 1 491161 | support@iteclive.com

Lithuania
Hidroteka
Kaunas
+370 37 352195 | hidroteka@hidroteka.lt

Luxembourg
Multiprox N. V. (Turck)
Aalst
+32 53 766566 | mail@multiprox.be

Macedonia
Tipteh d.o.o. Skopje
Skopje
+389 70399474 | tipteh@on.net.mk

Malaysia
Turck Singapore Pte. Ltd.
Singapore
+65 65628716 | singapore@turck.com

Mexico
Turck Comercial, S. de RL de CV
Saltillo
+52 844 4116650 | mexico@turck.com

New Zealand
CSE-W Arthur Fisher Limited
Auckland
+64 9 2713810 | sales@cse-waf.co.nz

The Netherlands
Turck B. V.
Zwolle
+31 38 4227750 | netherlands@turck.com

Nigeria
Milat Nigeria Ltd.
Port Harcourt
+234 80 37236262 | commercial@milat.net

Norway
HF Danyko A/S
Grimstad
+47 37090940 | danyko@hf.net

Oman
International Business DEVT.
Muscat
+968 24487147 | ibd@tibdman.com

Pakistan
Speedy Automation
Islamabad
+92 51 4861901 | speedyisb@speedy.com.pk

Panama
Turck Inc./USA
Minneapolis, MN, USA
+1 763 5537300 | usa@turck.com

Peru
NPI Peru S.A.C.
Lima
+51 1 2731166 | npiperu@npiperu.pe

The Philippines
Turck Singapore Pte. Ltd.
Singapore
+65 65628716 | singapore@turck.com

Poland
Turck Sp. z o.o.
Opole
+48 77 4434800 | poland@turck.com

Portugal
Bresimar Automação, S.A.
Aveiro
+351 234303320 | bresimar@bresimar.pt

Puerto Rico
Turck Inc./USA
Minneapolis, MN, USA
+1 763 5537300 | usa@turck.com

Qatar
DOHA MOTORS
Dohar
+974 4651441 | dohamotor@qatar.net.qa

Romania
Turck Automation Romania SRL
Bucharest
+40 21 2300279 | romania@turck.com

Russia
O.O.O. TURCK Rus
Moscow
+7 495 2342661 | russia@turck.com

Saudi Arabia
Binzagr International Trading Co. LTD
Al-Khobar
+966 3 8640980 | avig@bfim.com.sa

Serbia and Montenegro
Tipteh d.o.o. Beograd
Belgrade
+381 289 2250 | office@tipteh.rs

Singapore
Turck Banner Singapore Pte. Ltd.
Singapore
+65 65 628716 | @turckbanner.com

Slovakia
Marpex s.r.o.
Dubnica Nad Váhom
+421 42 4440010 | marpex@marpex.sk

Slovenia
Tipteh d.o.o.
Ljubljana
+386 1 2005150 | info@tipteh.si

Spain
Elion S. A.
Barcelona
+34 93 2982000 | elion@elion.es

South Africa
R.E.T. Automation Controls (Pty.) Ltd.
Edenglen
+27 11 4532468 | sales@retautomation.com

Sweden
Turck Office Sweden
Västra Frölunda
+46 10 4471600 | sweden@turck.com

Switzerland
Bachofen AG
Uster
+41 44 9441111 | info@bachofen.ch

Taiwan/R.O.C.
E-Sensors & Automation Int'l Corp.
Kaohsiung
+886 7 7323606 | ez-corp@umail.hinet.net

Taiwan
Jach Yi International Co. Ltd.
Taipei
+886 2 27312820 | james.yuan@jachyi.com

Thailand
Turck Singapore Pte. Ltd.
Singapore
+65 65628716 | singapore@turck.com

Turkey
Turck Otomasyon Tic. Ltd. Şti.
Ataşehir/Istanbul
+90 216 5722177 | turkey@turck.com

Trinidad Tobago
Turck Inc./USA
Minneapolis, MN, USA
+1 763 5537300 | usa@turck.com

Ukraine
SKIF Control Ltd.
Kiev
+380 44 5685237 | d.startsew@skifcontrolcom.ua

United Arab Emirates
Experts e&i
Abu Dhabi
+971 2 5525101 | sales1@experts-ei.com

Uruguay
FIDEMAR S.A.
Montevideo, Uruguay
+598 2 4021717 | info@fidemar.com.uy

USA
Turck Inc.
Minneapolis, MN
+1 763 5537300 | usa@turck.com

Venezuela
Cadeci C. A.
Valencia, Carabobo
+58 241 8345667 | cadeci@cantv.net

Vietnam
Turck Singapore Pte. Ltd.
Singapore
+65 65628716 | singapore@turck.com

Germany

Hans Turck GmbH & Co. KG
Witzlebenstraße 7
45472 Mülheim an der Ruhr
+49 208 4952-0 | more@turck.com

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