



# ACCESSORIES

## HIGHLIGHTS

- ✓ Comprehensive cable and connector program
- ✓ IP69K and Ecolab-certified cables for the food and beverage industry (on demand)
- ✓ UL-approved cables and connectors
- ✓ Cables with straight or right-angle sockets
- ✓ Distribution boxes
- ✓ Field-attachable connectors
- ✓ T-connectors (on demand)
- ✓ User-friendly standard portfolio
- ✓ Sensor testers for fast field checks
- ✓ Sensor mounting clamps
- ✓ Bases for mounting clamps
- ✓ Mechanical stops
- ✓ Amplifiers for 3-wire and NAMUR sensors (on demand)

## INDUCTIVE & PHOTOELECTRIC CABLES

### Group A

#### M8 3-PIN



open ended wire







connecting cables

CONNECTOR	PINS	CONFIG.	CABLE MATERIAL	CABLE LENGTH	WIRE	CABLE CONNECTION END	PINS	PART REFERENCE
M8	3-pole	straight	PUR	2 m	3	OPEN CABLE	–	S08-3FUG-020
M8	3-pole	straight	PUR	5 m	3	OPEN CABLE	–	S08-3FUG-050
M8	3-pole	straight	PUR	10 m	3	OPEN CABLE	–	S08-3FUG-100
M8	3-pole	right angle	PUR	2 m	3	OPEN CABLE	–	S08-3FUW-020
M8	3-pole	right angle	PUR	5 m	3	OPEN CABLE	–	S08-3FUW-050
M8	3-pole	right angle	PUR	10 m	3	OPEN CABLE	–	S08-3FUW-100
M8	3-pole	straight	PVC	2 m	3	OPEN CABLE	–	S08-3FVG-020
M8	3-pole	straight	PVC	5 m	3	OPEN CABLE	–	S08-3FVG-050
M8	3-pole	straight	PVC	10 m	3	OPEN CABLE	–	S08-3FVG-100
M8	3-pole	right angle	PVC	2 m	3	OPEN CABLE	–	S08-3FWW-020
M8	3-pole	right angle	PVC	5 m	3	OPEN CABLE	–	S08-3FWW-050
M8	3-pole	right angle	PVC	10 m	3	OPEN CABLE	–	S08-3FWW-100
M8	3-pole	straight	PUR	0.6 m	–	M8	3	S08-3FUG-006-08MG
M8	3-pole	straight	PUR	2 m	–	M8	3	S08-3FUG-020-08MG
M8	3-pole	straight	PUR	5 m	–	M8	3	S08-3FUG-050-08MG
M8	3-pole	straight	PVC	0.6 m	–	M8	3	S08-3FVG-006-08MG
M8	3-pole	straight	PVC	2 m	–	M8	3	S08-3FVG-020-08MG
M8	3-pole	straight	PVC	5 m	–	M8	3	S08-3FVG-050-08MG













## FIELD ATTACHABLE CONNECTORS

CONNECTOR	PINS	CONFIG.	OUTER Ø	WIRE Ø	PART REFERENCE
 M8	3-pole	straight	3.0–5.0	0.08–0.38	S08-3FNG-000-NNT1
 M8	3-pole	straight	4.0–8.0	0.14–0.50	S08-3FNG-000-NNT2
 M8	3-pole	straight	3.0–5.0	0.08–0.38	S08-3MNG-000-NNT1
 M8	3-pole	straight	4.0–8.0	0.14–0.50	S08-3MNG-000-NNT2



## DISTRIBUTION BOXES

CONNECTOR	PINS	NUMBER OF CONNECTIONS	CONNECTION TYPE	PART REFERENCE
 M8	3-pole	Universal – Hood	No cable	V08-30PE-000-NNN
 M8	3-pole	10 Plug Distribution box	PUR cable 5 m	V08-31PD-050-UYN
 M8	3-pole	10 Outputs – Hood	PUR cable 5 m	V08-31PH-050-UNN
 M8	3-pole	4 Plug Distribution box	No cable (hood needed)	V08-34PB-000-NYN
 M8	3-pole	4 Plug Distribution box	PUR cable 5 m	V08-34PD-050-UYN
 M8	3-pole	8 Plug Distribution box	No cable (hood needed)	V08-38PB-000-NYN
 M8	3-pole	8 Plug Distribution box	PUR cable 5 m	V08-38PD-050-UYN
 M8	3-pole	8 Outputs – Hood	PUR cable 5 m	V08-38PH-050-UNN



## INDUCTIVE & PHOTOELECTRIC CABLES

### Group B

#### M8 4-PIN



open ended wire



connecting cables

CONNECTOR	PINS	CONFIG.	CABLE MATERIAL	CABLE LENGTH	WIRE	CABLE CONNECTION END	PINS	PART REFERENCE
M8	4-pole	straight	PUR	2 m	4	OPEN CABLE	–	S08-4FUG-020
M8	4-pole	straight	PUR	5 m	4	OPEN CABLE	–	S08-4FUG-050
M8	4-pole	straight	PUR	10 m	4	OPEN CABLE	–	S08-4FUG-100
M8	4-pole	right angle	PUR	2 m	4	OPEN CABLE	–	S08-4FUW-020
M8	4-pole	right angle	PUR	5 m	4	OPEN CABLE	–	S08-4FUW-050
M8	4-pole	right angle	PUR	10 m	4	OPEN CABLE	–	S08-4FUW-100
M8	4-pole	straight	PVC	2 m	4	OPEN CABLE	–	S08-4FVG-020
M8	4-pole	straight	PVC	5 m	4	OPEN CABLE	–	S08-4FVG-050
M8	4-pole	straight	PVC	10 m	4	OPEN CABLE	–	S08-4FVG-100
M8	4-pole	right angle	PVC	2 m	4	OPEN CABLE	–	S08-4FVW-020
M8	4-pole	right angle	PVC	5 m	4	OPEN CABLE	–	S08-4FVW-050
M8	4-pole	right angle	PVC	10 m	4	OPEN CABLE	–	S08-4FVW-100
M8	4-pole	straight	PUR	2 m	–	M12	4	S08-4FUG-020-12MG
M8	4-pole	right angle	PUR	2 m	–	M8	4	S08-4FUW-020-08MG
M8	4-pole	straight	PVC	2 m	–	M12	4	S08-4FVG-020-12MG
M8	4-pole	right angle	PVC	2 m	–	M8	4	S08-4FVW-020-08MG



# INDUCTIVE & PHOTOELECTRIC CABLES

## Group C

### M12 4-PIN



open ended wire













connecting cables

CONNECTOR	PINS	CONFIG.	CABLE MATERIAL	CABLE LENGTH	WIRE	CABLE CONNECTION END	PINS	PART REFERENCE
M12	4-pole	straight	PUR	2 m	4	OPEN CABLE	–	S12-4FUG-020
M12	4-pole	straight	PUR	5 m	4	OPEN CABLE	–	S12-4FUG-050
M12	4-pole	straight	PUR	10 m	4	OPEN CABLE	–	S12-4FUG-100
M12	4-pole	straight	PUR	15 m	4	OPEN CABLE	–	S12-4FUG-150
M12	4-pole	straight	PUR	20 m	4	OPEN CABLE	–	S12-4FUG-200
M12	4-pole	straight	PUR	25 m	4	OPEN CABLE	–	S12-4FUG-250
M12	4-pole	right angle	PUR	2 m	4	OPEN CABLE	–	S12-4FUW-020
M12	4-pole	right angle	PUR	5 m	4	OPEN CABLE	–	S12-4FUW-050
M12	4-pole	right angle	PUR	10 m	4	OPEN CABLE	–	S12-4FUW-100
M12	4-pole	right angle	PUR	15 m	4	OPEN CABLE	–	S12-4FUW-150
M12	4-pole	right angle	PUR	20 m	4	OPEN CABLE	–	S12-4FUW-200
M12	4-pole	right angle	PUR	25 m	4	OPEN CABLE	–	S12-4FUW-250
M12	4-pole	straight	PVC	2 m	4	OPEN CABLE	–	S12-4FVG-020
M12	4-pole	straight	PVC	5 m	4	OPEN CABLE	–	S12-4FVG-050
M12	4-pole	straight	PVC	10 m	4	OPEN CABLE	–	S12-4FVG-100
M12	4-pole	right angle	PVC	2 m	4	OPEN CABLE	–	S12-4FVW-020
M12	4-pole	right angle	PVC	5 m	4	OPEN CABLE	–	S12-4FVW-050
M12	4-pole	right angle	PVC	10 m	4	OPEN CABLE	–	S12-4FVW-100
M12	4-pole	straight	PUR	0.6 m	–	M12	4	S12-4FUG-006-12MG
M12	4-pole	straight	PUR	2 m	–	M12	4	S12-4FUG-020-12MG
M12	4-pole	straight	PUR	5 m	–	M12	4	S12-4FUG-050-12MG
M12	4-pole	straight	PVC	0.6 m	–	M12	4	S12-4FVG-006-12MG
M12	4-pole	straight	PVC	2 m	–	M12	4	S12-4FVG-020-12MG
M12	4-pole	straight	PVC	5 m	–	M12	4	S12-4FVG-050-12MG

## INDUCTIVE & PHOTOELECTRIC CABLES

### Group C
















#### FIELD ATTACHABLE CONNECTORS

CONNECTOR	PINS	CONFIG.	OUTER Ø	WIRE Ø	PART REFERENCE
 M12	3-pole	straight	3.0–5.0	0.08–0.38	S12-3FNG-000-NNT1
 M12	3-pole	straight	3.0–5.0	0.08–0.38	S12-3MNG-000-NNT1
 M12	4-pole	straight	3.0–5.0	0.08–0.38	S12-4FNG-000-NNT1
 M12	4-pole	straight	4.0–8.0	0.14–0.50	S12-4FNG-000-NNT2
 M12	4-pole	straight	5.5–8.0	0.50–1.00	S12-4FNG-000-NNT3
 M12	4-pole	right angle	3.0–5.0	0.08–0.38	S12-4FNW-000-NNT1
 M12	4-pole	straight	3.0–5.0	0.08–0.38	S12-4MNG-000-NNT1
 M12	4-pole	straight	4.0–8.0	0.14–0.50	S12-4MNG-000-NNT2
 M12	4-pole	straight	5.5–8.0	0.50–1.00	S12-4MNG-000-NNT3
 M12	4-pole	right angle	3.0–5.0	0.08–0.38	S12-4MNW-000-NNT1





## DISTRIBUTION BOXES

CONNECTOR	PINS	NUMBER OF CONNECTIONS	CONNECTION TYPE	PART REFERENCE
 M12	5-pole	Universal – Hood	No cable	V12-50PE-000-NNN
 M12	5-pole	4 Plug Distribution box	Connector M23	V12-54MG-023-NYN
 M12	5-pole	4 Plug Distribution box	No cable (hood needed)	V12-54PB-000-NYN
 M12	5-pole	4 Plug Distribution box	PUR cable 2 m	V12-54PD-020-UYN
 M12	5-pole	4 Plug Distribution box	PUR cable 5 m	V12-54PD-050-UYN
 M12	5-pole	4 Plug Distribution box	PUR cable 10 m	V12-54PD-100-UYN
 M12	5-pole	4 Plug Distribution box + Hood	PUR cable 5 m	V12-54PY-050-UYN
 M12	5-pole	8 Plug Metal Distribution box	PUR cable 5 m	V12-58MD-050-UYN
 M12	5-pole	8 Plug Metal Distribution box	PUR cable 10 m	V12-58MD-100-UYN
 M12	5-pole	8 Plug Metal Distribution box	Connector M23	V12-58MG-023-NYN
 M12	5-pole	8 Plug Distribution box	No cable (hood needed)	V12-58PB-000-NYN
 M12	5-pole	8 Plug Distribution box	PUR cable 2 m	V12-58PD-020-UYN
 M12	5-pole	8 Plug Distribution box	PUR cable 5 m	V12-58PD-050-UYN
 M12	5-pole	8 Plug Distribution box	PUR cable 10 m	V12-58PD-100-UYN
 M12	5-pole	8 Plug Distribution box + Hood	PUR cable 2 m	V12-58PY-020-UYN
 M12	5-pole	8 Plug Distribution box + Hood	PUR cable 5 m	V12-58PY-050-UYN




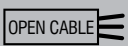

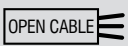

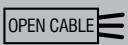

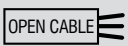


## INDUCTIVE & PHOTOELECTRIC CABLES

### Group D

#### M12 AC/DC 3-PIN



CONNECTOR	PINS	CONFIG.	CABLE MATERIAL	CABLE LENGTH	WIRE	CABLE CONNECTION END	PINS	PART REFERENCE
 UNF 1/2"	3	straight	PUR	2 m	3		–	S13-3FUG-020
 UNF 1/2"	3	straight	PUR	5 m	3		–	S13-3FUG-050
 UNF 1/2"	3	right angle	PUR	2 m	3		–	S13-3FUW-020
 UNF 1/2"	3	right angle	PUR	5 m	3		–	S13-3FUW-050



# UNIVERSAL MOUNTING BRACKETS

## Group E

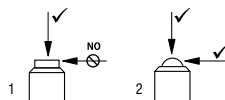
### UNIVERSAL MOUNTING BRACKETS

	HOUSING SIZE COMPATIBILITY	TYPE	PART REFERENCE
	∅ 3	without limit stop	ASU-0001-030
	∅ 4	without limit stop	ASU-0001-040
	∅ 5	without limit stop	ASU-0001-050
	∅ 6.5	without limit stop	ASU-0001-065
	∅ 8	without limit stop	ASU-0001-080
	∅ 8	with limit stop	ASU-0002-080
	∅ 12 mm	without limit stop	ASU-0001-120
	∅ 12 mm	with limit stop	ASU-0002-120
	∅ 18 mm	without limit stop	ASU-0001-180
	∅ 18 mm	with limit stop	ASU-0002-180

### MECHANICAL STOPS

	INNER ∅	OUTER ∅	PLUNGER TYPE	MAX. FORCE ON HOUSING	MAX. FORCE ON PLUNGER	PART REFERENCE
	M5 × 0.5	M8 × 1	Flat <sup>1</sup>	8,000 N	2,000 N	AMS-0001-M08
	M5 × 0.5	M8 × 1	Spherical <sup>2</sup>	8,000 N	2,000 N	AMS-0002-M08
	M8 × 1	M12 × 1	Flat <sup>1</sup>	15,000 N	2,000 N	AMS-0001-M12
	M8 × 1	M12 × 1	Spherical <sup>2</sup>	15,000 N	2,000 N	AMS-0002-M12

**Material:** Steel XC 48, black  
**Max. tightening torque:** 30 Nm (M8), 50 Nm (M12)



## PHOTOELECTRIC MOUNTING BRACKETS

### Group F

	HOUSING SIZE COMPATIBILITY	BRACKET MATERIAL	PART REFERENCE
	C23PA series	Stainless steel V2A	LXW-C23PA-000
	C23PA series	Stainless steel V2A	LXW-C23PA-001
	C23PA series	Stainless steel V2A	LXW-C23PA-002
	C23PA series	Stainless steel V2A	LXW-C23PA-003
	DGI series MGI series	Stainless steel V2A	LXW-DGMGA-000











	HOUSING SIZE COMPATIBILITY	BRACKET MATERIAL	PART REFERENCE
	M18PA series	ABS/PMMA	LHW-M18PA-000
	M18PA series	ABS/PMMA	LLW-M18PA-000
	M18PA series	ABS/PMMA	LTW-M18PA-000
	M18PA series	ABS	LXW-M18PA-000
	M18PA series	Polyamide	LXW-M18PA-001

## PHOTOELECTRIC REFLECTORS

### Group G

#### REFLECTORS

	DIMENSIONS	PART REFERENCE
	Ø26 mm	LXR-0000-025
	Ø46 mm	LXR-0000-046
	Ø82 mm	LXR-0000-084
	32 × 20 mm	LXR-0001-032
	60 × 20 mm	LXR-0001-062
	Ø26 mm	LXU-0000-025
	Ø82 mm	LXU-0000-084
	32 × 20 mm	LXU-0001-032
	60 × 41 mm	LXU-0001-064





# SENSOR TESTER

## Group H

	PART REFERENCE
	ATE-0000-010

## CABLES / CONNECTORS

### S12-4FAG-020[-NNLN-12MG]

#### CONNECTION CABLE

S

#### CONNECTOR SIZE FEMALE

M8	08
M12	12
M12 AC/DC	13
M23	23

#### NUMBER OF POLES

3-pole	3
4-pole	4
5-pole	5
8-pole	8
11-pole	B
19-pole	J

#### CONNECTOR TYPE

Female (socket)	F
Male (plug)	M

#### CABLE MATERIAL

No cable	N
PVC	V
PUR	U
TPE-S	A

#### CABLE EXIT (FEMALE)

Straight	G
Right-angle	W

#### CABLE LENGTH

No cable	000
0.3 m	003
0.6 m	006
1 m	010
1.5 m	015
2 m (standard)	020
5 m	050
10 m	100
15 m	150
20 m	200
25 m	250

#### CABLE EXIT (MALE)

Straight	G
Right-angle	W

#### CONNECTOR TYPE

Male (plug)	M
Female (socket)	F

#### CONNECTOR SIZE MALE

M8	08
M12	12
M23	23

#### CONNECTION TYPE

Standard	N
Quick-lock	Q
Cable Ø 3.0–5.0 mm / wire 0.08–0.38 mm <sup>2</sup>	1
Cable Ø 4.0–8.0 mm / wire 0.14–0.50 mm <sup>2</sup>	2
Cable Ø 5.5–8.0 mm / wire 0.5–1.0 mm <sup>2</sup>	3

#### APPLICATION

Standard	N
Food	L
RFID	R
Field attachable	T
Safety	S

#### EXECUTION

Standard or no cable	N
Shielded	W

#### LED

Yes, PNP	Y
Yes, NPN	Z
No	N



DISTRIBUTION BOXES AND T-CONNECTORS

# V12-58PD-050-UYN (-###)

## DISTRIBUTION BOX OR T-CONNECTOR

V

## CONNECTIONS

Accessory	00
M8	08
M12	12

## POLE NUMBER OF CONNECTIONS

3-pole	3
4-pole	4
5-pole	5
8-pole	8

## NUMBER OF CONNECTIONS

Hood for all types	0
2 connections	T
4 connections	4
6 connections	6
8 connections	8
10 connections	1

## MATERIAL

Plastic	P
Metal	M

## TYPE

Distribution box with cable / T-connector	D
Distribution box for straight connection	G
Distribution box for right-angle connection	W
Base element without hood	B
Hood with cable	H
Hood without cable	E
Base element + hood with cable	Y

## SPECIAL EXECUTIONS

## TECHNOLOGY

Standard (passive distribution box)	N
Wiring according diagram no.	#

## LED

Yes	Y
No	N

## CABLE MATERIAL

No cable	N
PVC	V
PUR	U

## CONNECTION

No cable	000
Cable 0.3 m	003
Cable 2 m	020
Cable 5 m	050
Cable 10 m	100
Connector M12	012
Connector M23	023

# ACCESSORIES REFERENCE KEY

## MISCELLANEOUS

### APT-0001-010

#### ACCESSORY A

#### ACCESSORY TYPE

Mechanical stop	MS
Protective tube	PT
Tester	TE

#### MATERIAL

Protective tubes, Tester	
Material PTFE, spiral, split	000

#### DIMENSIONS

<b>Mechanical stops</b>	
Outer diameter M08=M8 × 1 thread	M08
Outer diameter M12=M12 × 1 thread	M12
<b>Protective tubes</b>	
Length in dm (1 m)	010
Length in dm (10 m)	100

#### SERIES

<b>Mechanical stops</b>	
Flat plunger	1
Spheric plunger	2
<b>Protective tubes</b>	
Inner Ø3.5 mm / Outer Ø6.0 mm	0
Inner Ø6.5 mm / Outer Ø10.0 mm	1
Inner Ø13.0 mm / Outer Ø17.5 mm	2
Inner Ø19.0 mm / Outer Ø23.5 mm	3
<b>Tester</b>	
Base	0

## PHOTOELECTRIC MOUNTING BRACKETS AND SPECIAL MOUNTINGS

### LXW-C23PA-000

#### PHOTOELECTRIC SENSOR L

#### SENSOR TYPE

With background suppression	H
Through-beam sensor	L
Diffuse sensor	T
Accessories	X

#### DEVICE TYPE

Mounting bracket	W
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#### HOUSING SIZE COMPATIBILITY

C23PA series	C23PA
DGI, MGI series	DGM
M18PA series	M18PA

#### INCREMENTAL NUMBER

Incremental number	000
Incremental number	001
Incremental number	002
Incremental number	003

#### PERFORMANCE

Standard	A, B
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#### HOUSING MATERIAL

Stainless steel V4A	G
Plastic	P



MOUNTING BRACKETS

ASU-0001-030

ACCESSORY **A**

ACCESSORY TYPE

Mounting brackets	<b>SU</b>
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FIXTURE

Standard Basic fixture	<b>00</b>
Standard Cylindrical fixture	<b>30</b>

MATERIAL

Plastic	<b>0</b>
Stainless steel V2A	<b>1</b>
Coated steel	<b>4</b>

DIMENSIONS

Ø 3 mm	<b>030</b>
Ø 4 mm	<b>040</b>
Ø 5 mm	<b>050</b>
Ø 6.5 mm	<b>065</b>
Ø 8 mm	<b>080</b>
Ø 12 mm	<b>120</b>
Ø 18 mm	<b>180</b>
Ø 30 mm	<b>300</b>

TYPE

Without limit stop	<b>1</b>
With limit stop	<b>2</b>
For C44	<b>3</b>
For 4#5#	<b>4</b>
For C1717	<b>5</b>

PHOTOELECTRIC REFLECTORS

LXR-0000-025

PHOTOELECTRIC SENSOR **L**

SENSOR TYPE

Accessories	<b>X</b>
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DEVICE TYPE

Reflector	<b>R</b>
Reflector for UV	<b>U</b>

SHAPE

Cylindrical reflector	<b>0000</b>
Rectangular reflector	<b>0001</b>

DIMENSIONS

<b>Cylindrical reflectors</b>	
Ø 26 mm	<b>025</b>
Ø 46 mm	<b>046</b>
Ø 82 mm	<b>084</b>
<b>Rectangular reflectors</b>	
32 × 20 mm	<b>032</b>
60 × 20 mm	<b>062</b>
60 × 41 mm	<b>064</b>



# INTRODUCTION

## CONTRINEX



*Contrinex Headquarters, Switzerland*

Contrinex is a leading manufacturer of sensors for factory automation. The Swiss company, headquartered in Corminboeuf near Fribourg (CH), has a unique and innovative range of products whose features far surpass those of standard sensors.

Since its foundation in 1972 by Peter Heimlicher, Dipl Ing ETH, Contrinex has grown from a one-man operation to a multinational group with over 580 employees worldwide. More than 13 subsidiaries cover the core markets in Europe, Asia, North and South America.

### AT A GLANCE

- Technology leading manufacturer of inductive and photoelectric sensors as well as safety and RFID systems
- World market leader for miniature sensors, sensors with long operating distances and devices for particularly demanding operating conditions (all-metal, high-pressure and high-temperature resistant sensors)
- Represented in over 60 countries worldwide, headquarters in Switzerland
- 8,000 products

**Technology leader for sensor intelligence and industrial RFID**

## INTELLIGENT SENSORS FOR THE 4<sup>TH</sup> INDUSTRIAL REVOLUTION: INDUSTRY 4.0

### Fit for the future with IO-Link

Intelligent sensors are the fundamental building blocks of modern smart factories. They enable sensor-supported production resources (machines, robots, etc.) to configure, control, manage and optimize themselves. Precise, reliable sensor data is now more essential than ever.

Sensors from Contrinex, the leader in intelligent sensor technology, ensure excellent data quality. To communicate that data, all Contrinex inductive and photoelectric ASIC sensors will be equipped with IO-Link as standard. Customers use either the sensor's binary PNP output or its intelligent IO-Link interface. Both are available in one and the same device. Another advantage is the fact that, with Contrinex sensors, there is no extra charge for IO-Link. This makes them not only quick and simple to install, but also highly economic.

As the first standardized IO technology worldwide (IEC 61131-9) for communication with sensors and actuators, IO-Link is crucial to the 4<sup>th</sup> Industrial Revolution. By installing Contrinex ASIC sensors with IO-Link, users can make themselves fit for the future.

# CUSTOMIZATION

Contrinex has extensive experience in product customization and brand labelling. Over the years, a team of specialists has worked with clients to design, develop and manufacture numerous unique products that meet individual specifications. Custom solutions can range from a very simple adaptation such as a special connector or cable to a new design with special signals, technical characteristics or a customized housing. The company is also equipped to meet branding requirements for product color, packaging, labelling and logos.

Production sites are available worldwide, so products can be manufactured for best availability and in quantities that suit the client's requirements. Quality is assured by vigorous lab testing, pre-shipment inspections and compliance with market standards. All production sites are open to quality audits by clients.

- ✓ Housing shape and size
- ✓ Cable length
- ✓ Embeddable / non-embeddable
- ✓ Threaded / non-threaded
- ✓ Selected technical characteristics

# LIVE SENSOR DATA FOR IoT





ALL OVER THE WORLD

**EUROPE**

Austria  
Belgium  
Croatia  
Czech Republic  
Denmark  
Estonia  
Finland  
**France\***  
**Germany\***  
Great Britain  
Greece  
Hungary  
Ireland  
**Italy\***  
Luxembourg  
Netherlands  
Norway  
Poland  
**Portugal\***  
Romania  
Russian Federation

Serbia  
Slovakia  
Slovenia  
Spain  
Sweden  
**Switzerland\***  
Turkey  
Ukraine

**AFRICA**

Morocco  
South Africa

**THE AMERICAS**

Argentina  
**Brazil\***  
Canada  
Chile  
**Mexico\***  
Peru  
**United States\***

**ASIA**

**China\***  
**India\***  
Indonesia  
**Japan\***  
Korea  
Malaysia  
Pakistan  
Philippines  
Singapore  
Taiwan  
Thailand

**AUSTRALASIA**

Australia  
New Zealand

**MIDDLE EAST**

Israel  
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900-307-002 – KAY – 08.22 – 500