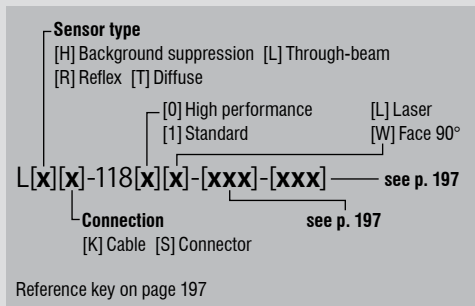


COMMON FEATURES

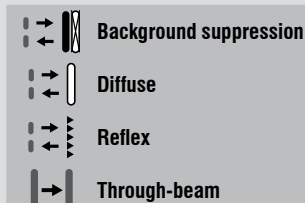
Supply Voltage range	10 ... 30 VDC
Output	PNP Light-ON*

* Other types available: PNP, NPN, Light-ON/Dark-ON

OUTPUT



OPERATING PRINCIPLE



ACCESSORIES

A Group A: M8 3-pin
Sub-group: Field attachable connectors
Sub-group: Distribution boxes

B Group B: M8 4-pin
Sub-group: Field attachable connectors

C Group C: M12 4-pin
Sub-group: Field attachable connectors
Sub-group: Distribution boxes

D Group D: M12 AC/DC 3-pin

E Group E: Universal mounting brackets
Sub-group: Mechanical stops

F Group F: Photoelectric mounting brackets

G Group G: Photoelectric reflectors

H Group H: Sensor tester

Go to page 298 for details

CYLINDRICAL M18 1180 SERIES

FAMILY	OPERATING PRINCIPLE	SENSING RANGE (mm)	HOUSING SIZE (mm)	LIGHT SOURCE	
CYLINDRICAL M18 – 1180 SERIES		120	M18	LED, red 660 nm	
		120	M18	LED, red 660 nm	
		120	M18	LED, red 660 nm	
		120	M18	LED, red 660 nm	
		250	M18	⚠ Laser class 2, red 660 nm	
		250	M18	⚠ Laser class 2, red 660 nm	
		250	M18	⚠ Laser class 2, red 660 nm	
		250	M18	⚠ Laser class 2, red 660 nm	
		600	M18	LED, red 660 nm	
		600	M18	LED, red 660 nm	
		600	M18	LED, red 660 nm	
		600	M18	LED, red 660 nm	
		600	M18	LED, red 660 nm	
		600	M18	LED, red 660 nm	
		600	M18	LED, red 660 nm	
		600	M18	LED, red 660 nm	
		600	M18	LED, red 660 nm	
		600	M18	LED, red 660 nm	
		600	M18	LED, red 660 nm	
		600	M18	LED, red 660 nm	
		600	M18	LED, red 660 nm	
		600	M18	LED, red 660 nm	
		600	M18	LED, red 660 nm	
		2,000	M18	LED, red 660 nm	
		2,000	M18	LED, red 660 nm	

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Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

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Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
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Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
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Псков (8112)59-10-37
Пермь (342)205-81-47

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Рязань (4912)46-61-64
Самара (846)206-03-16
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Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
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Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
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Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
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KEY ADVANTAGES

- ✓ Models for lateral sensing
- ✓ Rugged metal housing
- ✓ Shock & vibration resistant due to fully potted electronics
- ✓ Laser types (protection class 2) for accurate detection of smallest targets
- ✓ Sensing range up to 50 m



	HOUSING MATERIAL	CABLE	CONNECTOR	IO-Link	SWITCHING FREQUENCY (Hz)	AMBIENT TEMPERATURE	DEGREE OF PROTECTION	PART REFERENCE *	ACCESSORIES (SEE PAGE 134)
	Chrome-plated brass	PVC			500	−25 ... +55°C	IP67	LHK-1180-303	E H
	Chrome-plated brass		M12		500	−25 ... +55°C	IP67	LHS-1180-303	C E H
	Chrome-plated brass	PVC			500	−25 ... +55°C	IP67	LHK-1180W-303	E H
	Chrome-plated brass		M12		500	−25 ... +55°C	IP67	LHS-1180W-303	C E H
	Stainless steel V2A	PVC			5,000	−10 ... +50°C	IP67	LTK-1180L-103-516	E H
	Stainless steel V2A	PVC			5,000	−10 ... +50°C	IP67	LTK-1180L-104-516	E H
	Stainless steel V2A		M12		5,000	−10 ... +50°C	IP67	LTS-1180L-103-516	C E H
	Stainless steel V2A		M12		5,000	−10 ... +50°C	IP67	LTS-1180L-104-516	C E H
	Chrome-plated brass		M12		1,000	−25 ... +55°C	IP67	LTS-1180W-303	C E H
	Chrome-plated brass	PVC			1,000	−25 ... +55°C	IP67	LTK-1180-103	E H
	Chrome-plated brass	PVC			1,000	−25 ... +55°C	IP67	LTK-1180-104	E H
	Chrome-plated brass		M12		1,000	−25 ... +55°C	IP67	LTS-1180-103	C E H
	Chrome-plated brass		M12		1,000	−25 ... +55°C	IP67	LTS-1180-104	C E H
	Chrome-plated brass	PVC			1,000	−25 ... +55°C	IP67	LTK-1180W-103	E H
	Chrome-plated brass	PVC			1,000	−25 ... +55°C	IP67	LTK-1180W-104	E H
	Chrome-plated brass		M12		1,000	−25 ... +55°C	IP67	LTS-1180W-103	C E H
	Chrome-plated brass		M12		1,000	−25 ... +55°C	IP67	LTS-1180W-104	C E H
	Stainless steel V2A	PVC			1,000	−10 ... +50°C	IP67	LTK-1180L-103	E H
	Stainless steel V2A	PVC			1,000	−10 ... +50°C	IP67	LTK-1180L-104	E H
	Stainless steel V2A		M12		1,000	−10 ... +50°C	IP67	LTS-1180L-103	C E H
	Stainless steel V2A		M12		1,000	−10 ... +50°C	IP67	LTS-1180L-104	C E H
	Chrome-plated brass	PVC			1,000	−25 ... +55°C	IP67	LTK-1180-303	E G H
	Chrome-plated brass		M12		1,000	−25 ... +55°C	IP67	LRS-1180-303	C E G H

COMMON FEATURES

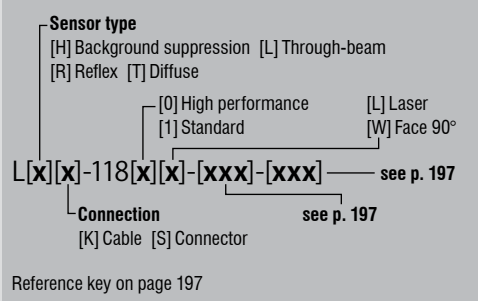
Supply Voltage range	10 ... 30 VDC
Output	PNP Light-ON*

* Other types available: PNP, NPN, Light-ON/Dark-ON

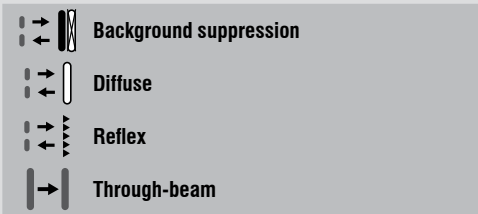
CYLINDRICAL M18

1180 SERIES

OUTPUT



OPERATING PRINCIPLE



ACCESSORIES

A Group A: M8 3-pin
 Sub-group: Field attachable connectors
 Sub-group: Distribution boxes

B Group B: M8 4-pin
 Sub-group: Field attachable connectors

C Group C: M12 4-pin
 Sub-group: Field attachable connectors
 Sub-group: Distribution boxes

D Group D: M12 AC/DC 3-pin

E Group E: Universal mounting brackets
 Sub-group: Mechanical stops

F Group F: Photoelectric mounting brackets

G Group G: Photoelectric reflectors

H Group H: Sensor tester

Go to page 298 for details

FAMILY	OPERATING PRINCIPLE	SENSING RANGE (mm)	HOUSING SIZE (mm)	LIGHT SOURCE	
CYLINDRICAL M18 – 1180 SERIES		2,000	M18	LED, red 660 nm	
		2,000	M18	LED, red 660 nm	
		20,000	M18	LED, red 660 nm	
		20,000	M18	LED, red 660 nm	
		20,000	M18	LED, red 660 nm	
		20,000	M18	LED, red 660 nm	
		20,000	M18	LED, red 660 nm	
		20,000	M18	LED, red 660 nm	
		20,000	M18	LED, red 660 nm	
		20,000	M18	LED, red 660 nm	
		20,000	M18	LED, red 660 nm	
		50,000	M18	⚠ Laser class 2, red 660 nm	
		50,000	M18	⚠ Laser class 2, red 660 nm	

KEY ADVANTAGES

- ✓ Models for lateral sensing
- ✓ Rugged metal housing
- ✓ Shock & vibration resistant due to fully potted electronics
- ✓ Laser types (protection class 2) for accurate detection of smallest targets
- ✓ Sensing range up to 50 m



	HOUSING MATERIAL	CABLE	CONNECTOR	IO-Link	SWITCHING FREQUENCY (Hz)	AMBIENT TEMPERATURE	DEGREE OF PROTECTION	PART REFERENCE *	ACCESSORIES (SEE PAGE 136)
	Chrome-plated brass	PVC			1,000	-25 ... +55°C	IP67	LRK-1180W-303	E G H
	Chrome-plated brass		M12		1,000	-25 ... +55°C	IP67	LRS-1180W-303	C E G H
	Chrome-plated brass	PVC			1,000	-25 ... +55°C	IP67	LLK-1180W-003	E H
	Chrome-plated brass	PVC			1,000	-25 ... +55°C	IP67	LLK-1180W-004	E H
	Chrome-plated brass		M12		1,000	-25 ... +55°C	IP67	LLS-1180W-003	C E H
	Chrome-plated brass		M12		1,000	-25 ... +55°C	IP67	LLS-1180W-004	C E H
	Chrome-plated brass	PVC			1,000	-25 ... +55°C	IP67	LLK-1180-003	E H
	Chrome-plated brass	PVC			1,000	-25 ... +55°C	IP67	LLK-1180-004	E H
	Chrome-plated brass		M12		1,000	-25 ... +55°C	IP67	LLS-1180-003	C E H
	Chrome-plated brass		M12		1,000	-25 ... +55°C	IP67	LLS-1180-004	C E H
	Stainless steel V2A	PVC			5,000	-10 ... +50°C	IP67	LLK-1181L-003	E H
	Stainless steel V2A		M12		5,000	-10 ... +50°C	IP67	LLS-1181L-003	C E H

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 Смоленск (4812)29-41-54
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