

Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C

| IGMF 02 GSP

- Inductive proximity switches resistant against electromagnetic interference which might arise from cables or radiation.
- For use in systems with challenging EMC conditions
- Customer-specific adaptations
- For the detection of metallic objects,
- presence detection,
- Position and movement monitoring,
- Object counting and
- Speed control on conveyor belts

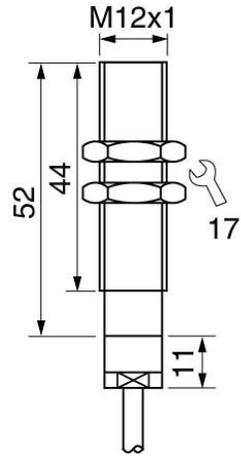


M12x1 - sn 2 mm flush - Output PNP NO

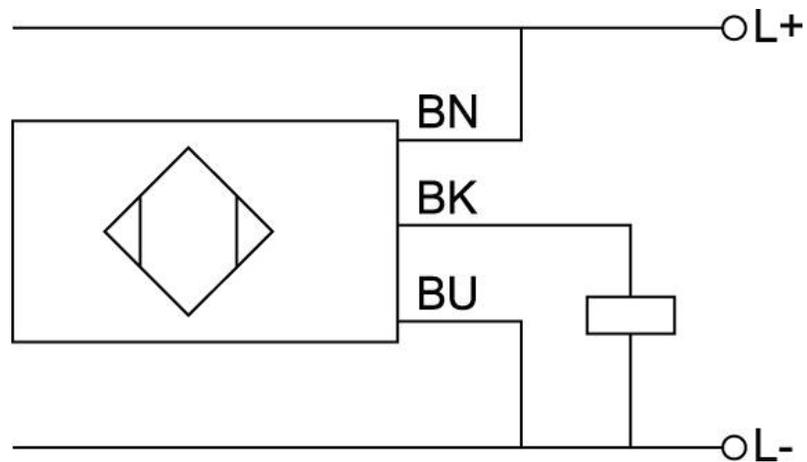
TYPE	IGMF 02 GSP
Product ID	P31132
Thread/sleeve	M12x1
Operating Distance sn	2 mm flush
Output	switching output
Output function	PNP-NO
Supply voltage	10...30 V DC
Current consumption max.	4 mA
Residual current	1
Switching current max.	200 mA
Overcurrent release	230 mA
Voltage drop max.	2 V
Residual ripple	10 %
Switching frequency	1000 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)

Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K
Electrical connection	2 m FEP-cable 3x0.34 mm ²

Technical Image



Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C

| IGMF 04 GSP



- Inductive proximity switches resistant against electromagnetic interference which might arise from cables or radiation.
- For use in systems with challenging EMC conditions
- Customer-specific adaptations
- For the detection of metallic objects,
- presence detection,
- Position and movement monitoring,
- Object counting and
- Speed control on conveyor belts

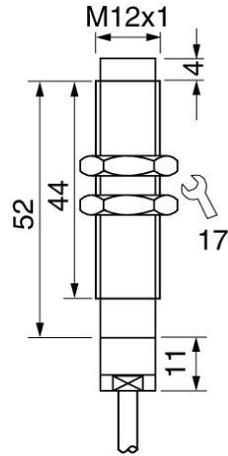


M12x1 - sn 4 mm non flush - Output PNP NO

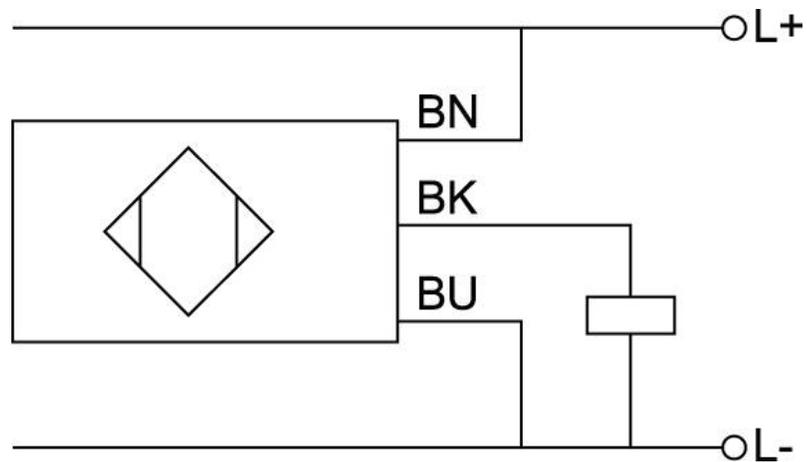
TYPE	IGMF 04 GSP
Product ID	P31133
Thread/sleeve	M12x1
Operating Distance sn	4 mm non-flush
Output	switching output
Output function	PNP-NO
Supply voltage	10...30 V DC
Current consumption max.	4 mA
Residual current	1
Switching current max.	200 mA
Overcurrent release	230 mA
Voltage drop max.	2 V
Residual ripple	10 %
Switching frequency	1000 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)

Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K
Electrical connection	2 m FEP-cable 3x0.34 mm ²

Technical Image



Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C | IGMF 05 GSP

- For use at temperatures up to 120 °C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



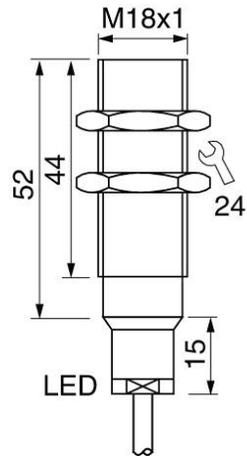
M18x1 - sn 5 mm flush - Output PNP NO

TYPE	IGMF 05 GSP
Product ID	P30701
Thread/sleeve	M18x1
Operating Distance sn	5 mm flush
Output	switching output
Output function	PNP-NO
Supply voltage	10...30 V DC
Current consumption max.	4 mA
Residual current	1
Switching current max.	200 mA
Overcurrent release	230 mA
Voltage drop max.	2 V
Residual ripple	10 %
Switching frequency	1000 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K

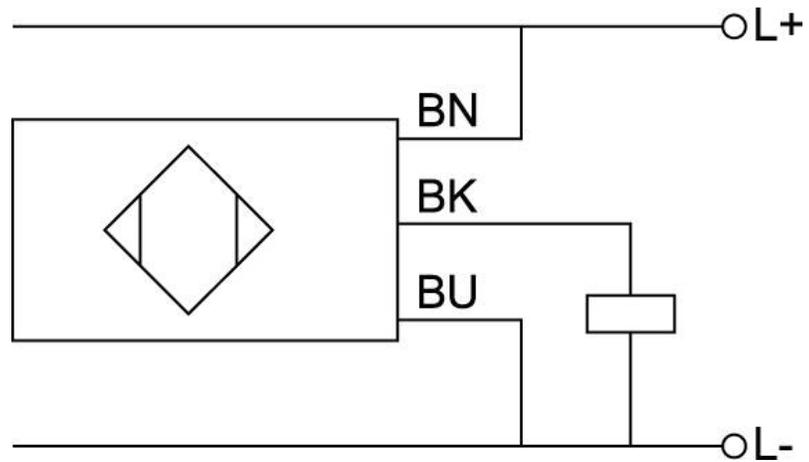
Electrical connection

2 m FEP-cable 3x0.34 mm²

Technical Image

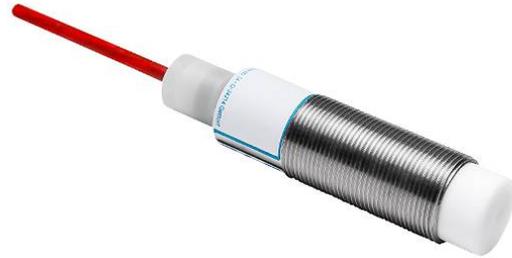


Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C | IGMF 08 GSP

- For use at temperatures up to 120°C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



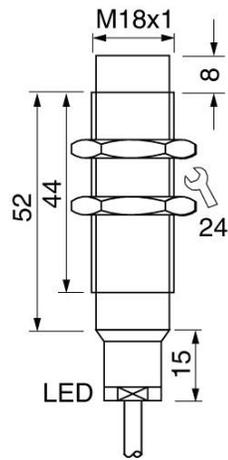
M18x1 - sn 7 mm non flush - Output PNP NO

TYPE	IGMF 08 GSP
Product ID	P30703
Thread/sleeve	M18x1
Operating Distance sn	7 mm non-flush
Output	switching output
Output function	PNP-NO
Supply voltage	10...30 V DC
Current consumption max.	4 mA
Residual current	1
Switching current max.	200 mA
Overcurrent release	230 mA
Voltage drop max.	2 V
Residual ripple	10 %
Switching frequency	1000 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K

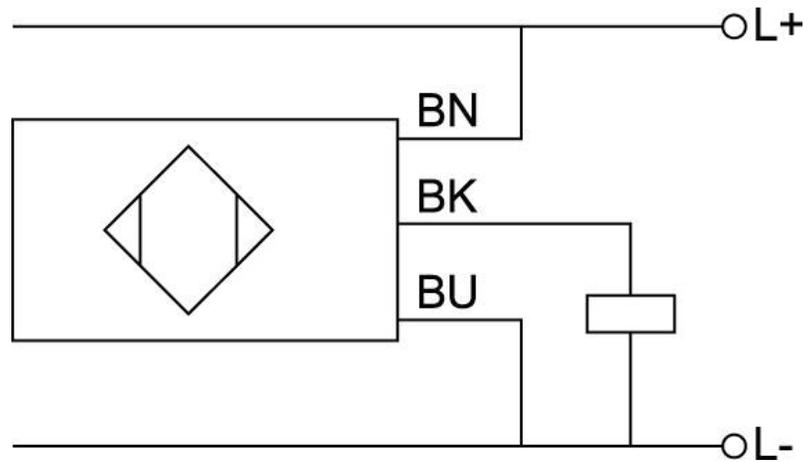
Electrical connection

2 m FEP-cable 3x0.34 mm²

Technical Image



Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C | IGMF 05 GOP

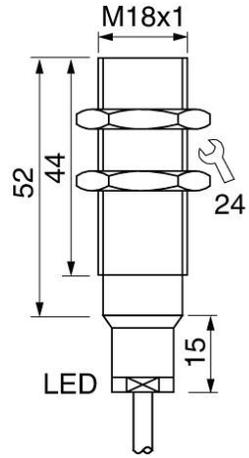
- For use at temperatures up to 120°C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



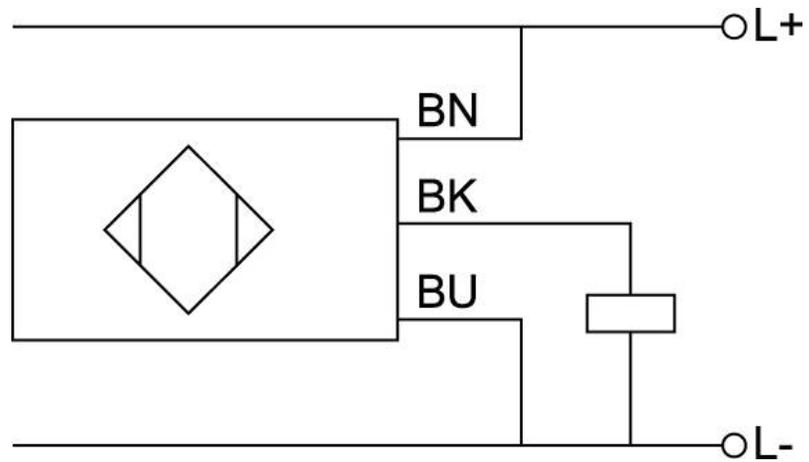
M18x1 - sn 5 mm flush - Output PNP NC

TYPE	IGMF 05 GOP
Product ID	P30702
Thread/sleeve	M18x1
Operating Distance sn	5 mm flush
Output function	PNP-NC
Supply voltage	10...30 V DC
Current consumption max.	4 mA
Residual current	1
Overcurrent release	230 mA
Voltage drop max.	2 V
Residual ripple	10 %
Switching frequency	1000 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K
Electrical connection	2 m FEP-cable 3x0.34 mm ²

Technical Image

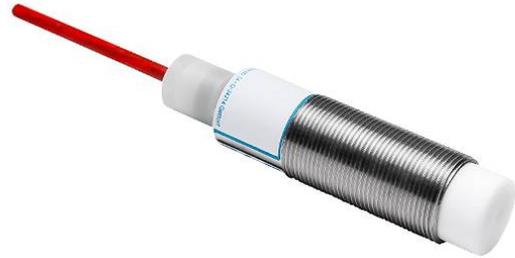


Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C | IGMF 08 GOP

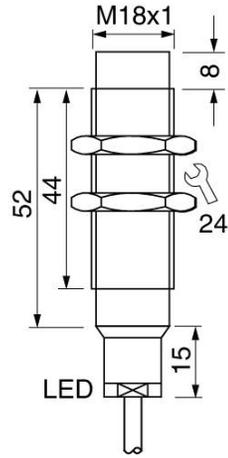
- For use at temperatures up to 120°C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



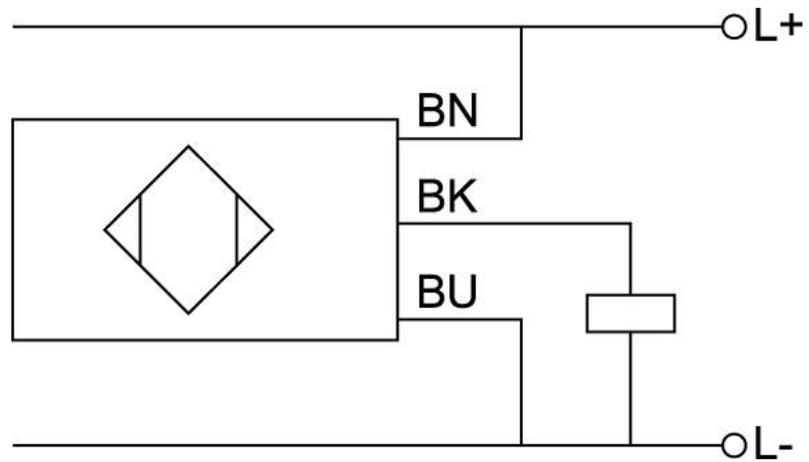
M18x1 - sn 7 mm non flush - Output PNP NC

TYPE	IGMF 08 GOP
Product ID	P30704
Thread/sleeve	M18x1
Operating Distance sn	7 mm non-flush
Output function	PNP-NC
Supply voltage	10...30 V DC
Current consumption max.	4 mA
Residual current	1
Overcurrent release	230 mA
Voltage drop max.	2 V
Residual ripple	10 %
Switching frequency	1000 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K
Electrical connection	2 m FEP-cable 3x0.34 mm ²

Technical Image



Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C | IGMF 005 GSP

- For use at temperatures up to 120°C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



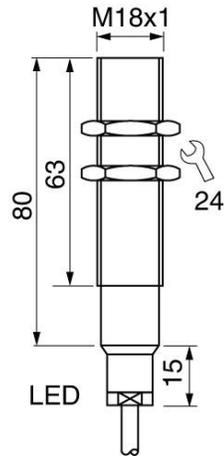
M18x1 - sn 5 mm flush - Output PNP NO

TYPE	IGMF 005 GSP
Product ID	P31424
Thread/sleeve	M18x1
Operating Distance sn	5 mm flush
Output	switching output
Output function	PNP-NO
Supply voltage	10...30 V DC
Current consumption max.	4 mA
Residual current	1
Switching current max.	200 mA
Overcurrent release	230 mA
Voltage drop max.	2 V
Switching frequency	1000 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K

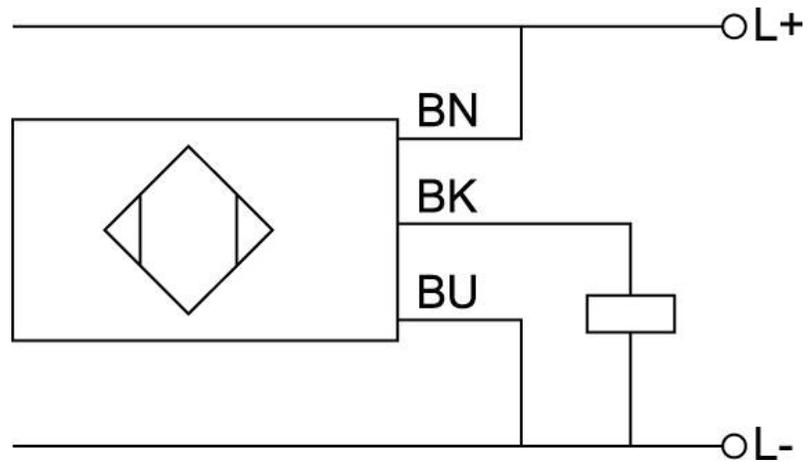
Electrical connection

2 m FEP-cable 3x0.34 mm²

Technical Image



Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C | IGMF 008 GSP

- For use at temperatures up to 120°C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



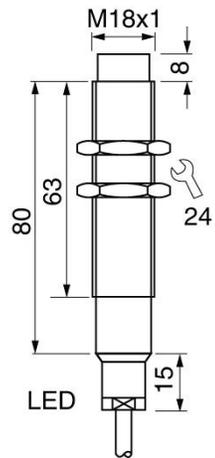
M18x1 - sn 7 mm non flush - Output PNP NO

TYPE	IGMF 008 GSP
Product ID	P31426
Thread/sleeve	M18x1
Operating Distance sn	7 mm non-flush
Output	switching output
Output function	PNP-NO
Supply voltage	10...30 V DC
Current consumption max.	4 mA
Residual current	1
Switching current max.	200 mA
Overcurrent release	230 mA
Voltage drop max.	2 V
Switching frequency	1000 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K

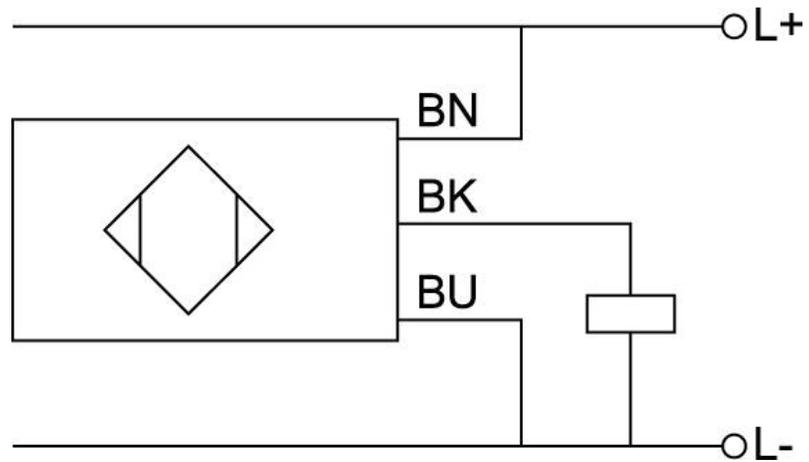
Electrical connection

2 m FEP-cable 3x0.34 mm²

Technical Image



Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C | IGMF 010 GSP

- For use at temperatures up to 120°C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



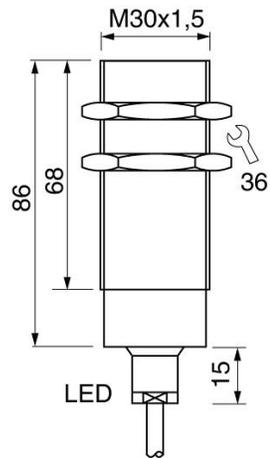
M30x1.5 - sn 10 mm flush - Output PNP NO

TYPE	IGMF 010 GSP
Product ID	P31428
Thread/sleeve	M30x1,5
Operating Distance sn	10 mm flush
Output	switching output
Output function	PNP-NO
Supply voltage	10...30 V DC
Current consumption max.	4 mA
Residual current	1
Switching current max.	200 mA
Overcurrent release	230 mA
Voltage drop max.	2 V
Switching frequency	1000 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K

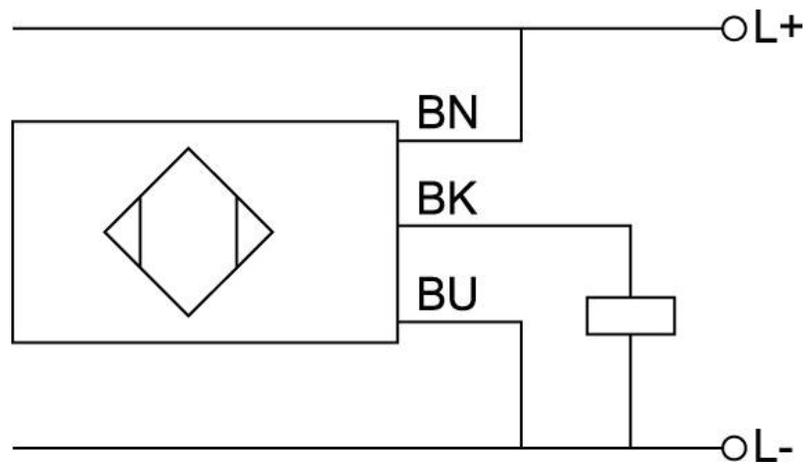
Electrical connection

2 m FEP-cable 3x0.34 mm²

Technical Image



Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C | IGMF 015 GSP

- For use at temperatures up to 120°C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



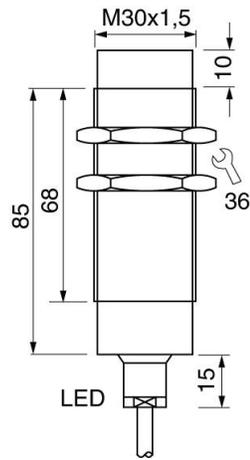
M30x1.5 - sn 15 mm non flush - Output PNP NO

TYPE	IGMF 015 GSP
Product ID	P31430
Thread/sleeve	M30x1,5
Operating Distance sn	15 mm non-flush
Output	switching output
Output function	PNP-NO
Supply voltage	10...30 V DC
Current consumption max.	4 mA
Residual current	1
Switching current max.	200 mA
Overcurrent release	230 mA
Voltage drop max.	2 V
Switching frequency	1000 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K

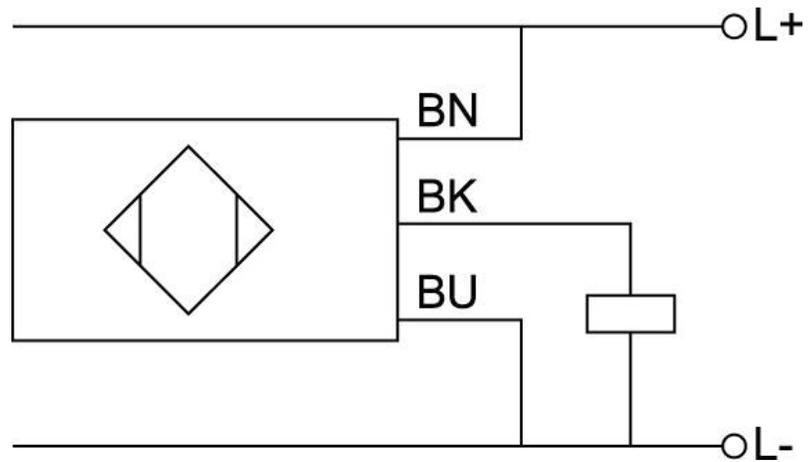
Electrical connection

2 m FEP-cable 3x0.34 mm²

Technical Image



Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C | IGMF 005 GOP

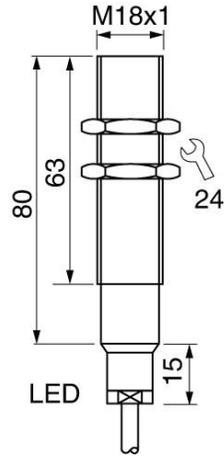
- For use at temperatures up to 120°C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



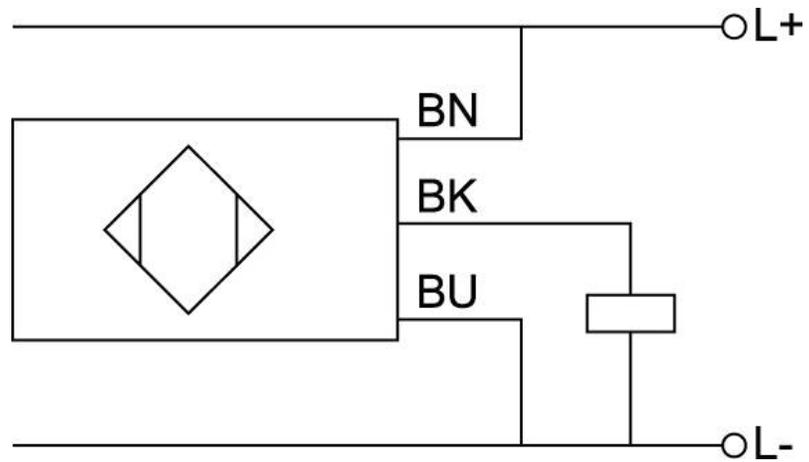
M18x1 - sn 5 mm flush - Output PNP NC

TYPE	IGMF 005 GOP
Product ID	P31425
Thread/sleeve	M18x1
Operating Distance sn	5 mm flush
Output function	PNP-NC
Supply voltage	10...30 V DC
Current consumption max.	4 mA
Residual current	1
Overcurrent release	230 mA
Voltage drop max.	2 V
Switching frequency	150 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K
Electrical connection	2 m FEP-cable 3x0.34 mm ²

Technical Image



Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C | IGMF 008 GOP

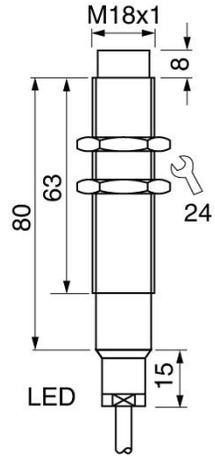
- For use at temperatures up to 120°C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



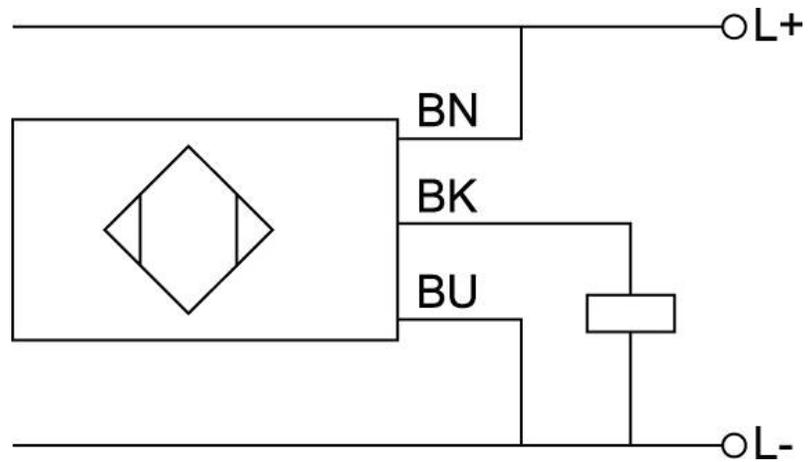
M18x1 - sn 7 mm non flush - Output PNP NC

TYPE	IGMF 008 GOP
Product ID	P31427
Thread/sleeve	M18x1
Operating Distance sn	7 mm non-flush
Output function	PNP-NC
Supply voltage	10...30 V DC
Current consumption max.	4 mA
Residual current	1
Overcurrent release	230 mA
Voltage drop max.	2 V
Switching frequency	150 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K
Electrical connection	2 m FEP-cable 3x0.34 mm ²

Technical Image



Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C | IGMF 010 GOP

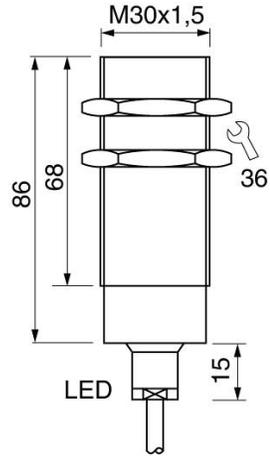
- For use at temperatures up to 120°C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



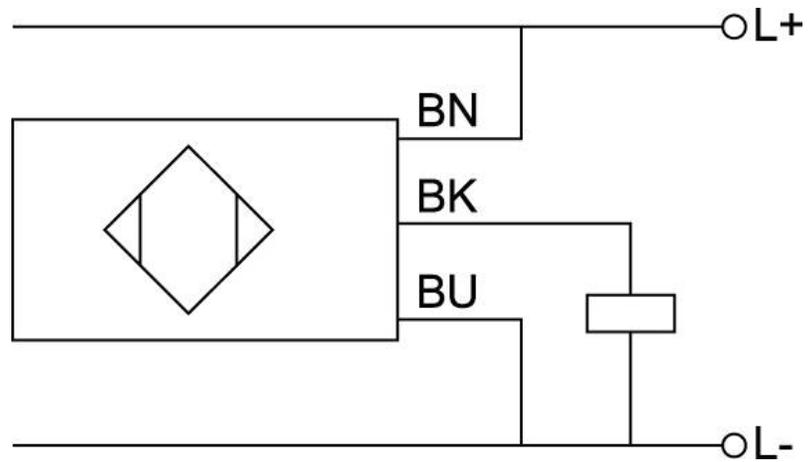
M30x1.5 - sn 10 mm flush - Output PNP NC

TYPE	IGMF 010 GOP
Product ID	P31429
Thread/sleeve	M30x1,5
Operating Distance sn	10 mm flush
Output function	PNP-NC
Supply voltage	10...30 V DC
Current consumption max.	4 mA
Residual current	1
Overcurrent release	230 mA
Voltage drop max.	2 V
Switching frequency	150 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K
Electrical connection	2 m FEP-cable 3x0.34 mm ²

Technical Image



Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C | IGMF 015 GOP

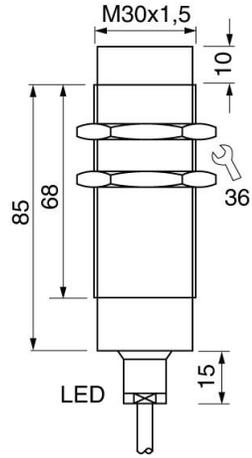
- For use at temperatures up to 120°C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



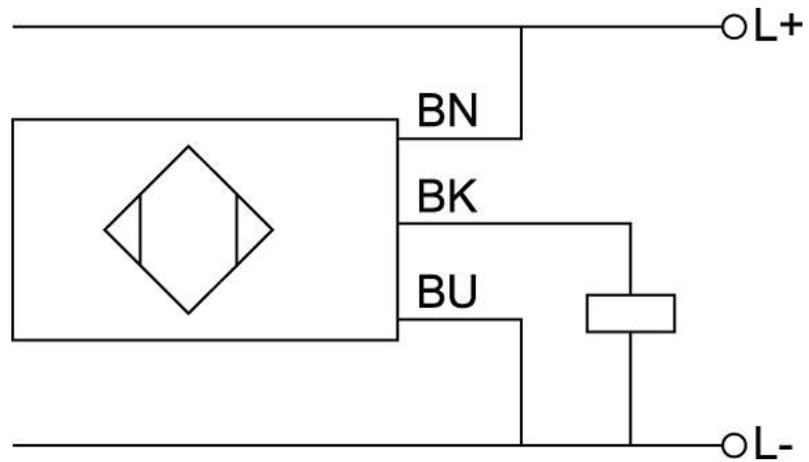
M30x1.5 - sn 15 mm non flush - Output PNP NC

TYPE	IGMF 015 GOP
Product ID	P31431
Thread/sleeve	M30x1,5
Operating Distance sn	15 mm non-flush
Output function	PNP-NC
Supply voltage	10...30 V DC
Current consumption max.	4 mA
Residual current	1
Overcurrent release	230 mA
Voltage drop max.	2 V
Switching frequency	150 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K
Electrical connection	2 m FEP-cable 3x0.34 mm ²

Technical Image



Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C | IGMF 005 GSOP

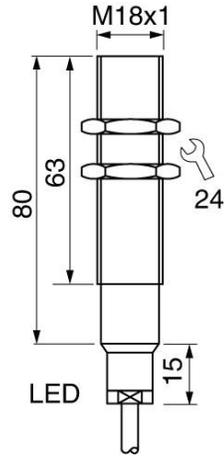
- For use at temperatures up to 120°C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



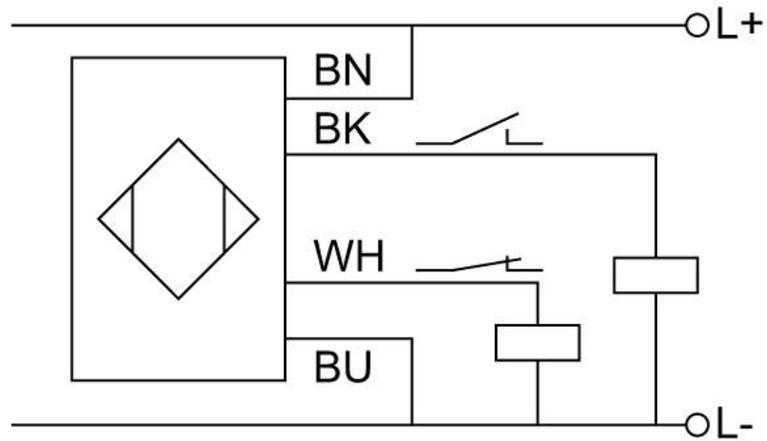
M18x1 - sn 5 mm flush - Output PNP NC + NO

TYPE	IGMF 005 GSOP
Product ID	P30707
Thread/sleeve	M18x1
Operating Distance sn	5 mm flush
Output	switching output
Output function	PNP-NO / NC
Supply voltage	10...30 V DC
Current consumption max.	4 mA
Residual current	1
Overcurrent release	230 mA
Voltage drop max.	2 V
Switching frequency	1000 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K
Electrical connection	2 m FEP-cable 4x0.25 mm ²

Technical Image



Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C

| IGMF 008 GSOP

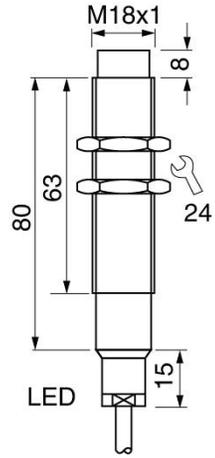
- For use at temperatures up to 120°C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



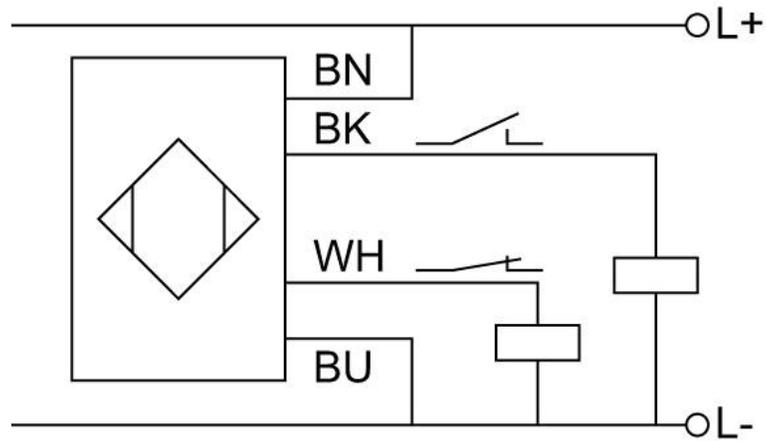
M18x1 - sn 7 mm non flush - Output PNP NC + NO

TYPE	IGMF 008 GSOP
Product ID	P30710
Thread/sleeve	M18x1
Operating Distance sn	7 mm non-flush
Output	switching output
Output function	PNP-NO / NC
Supply voltage	10...30 V DC
Current consumption max.	4 mA
Residual current	1
Overcurrent release	230 mA
Voltage drop max.	2 V
Switching frequency	1000 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K
Electrical connection	2 m FEP-cable 4x0.25 mm ²

Technical Image



Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C | IGMF 010 GSOP

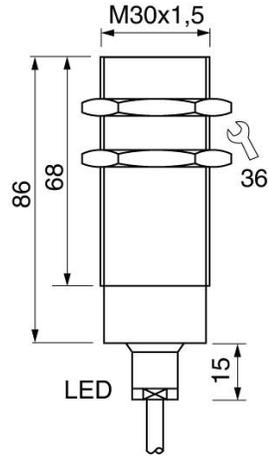
- For use at temperatures up to 120°C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



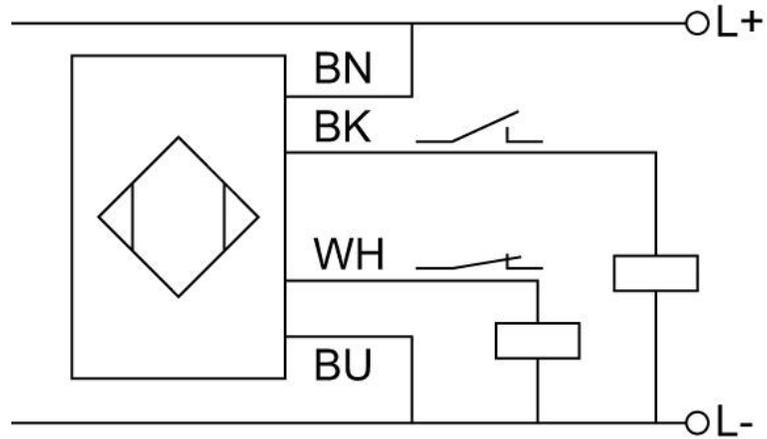
M30x1.5 - sn 10 mm flush - Output PNP NC + NO

TYPE	IGMF 010 GSOP
Product ID	P30713
Thread/sleeve	M30x1,5
Operating Distance sn	10 mm flush
Output	switching output
Output function	PNP-NO / NC
Supply voltage	10...30 V DC
Current consumption max.	4 mA
Residual current	1
Overcurrent release	230 mA
Voltage drop max.	2 V
Switching frequency	1000 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K
Electrical connection	2 m FEP-cable 4x0.25 mm ²

Technical Image



Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C | IGMF 015 GSOP

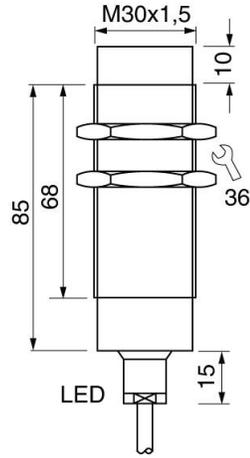
- For use at temperatures up to 120°C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



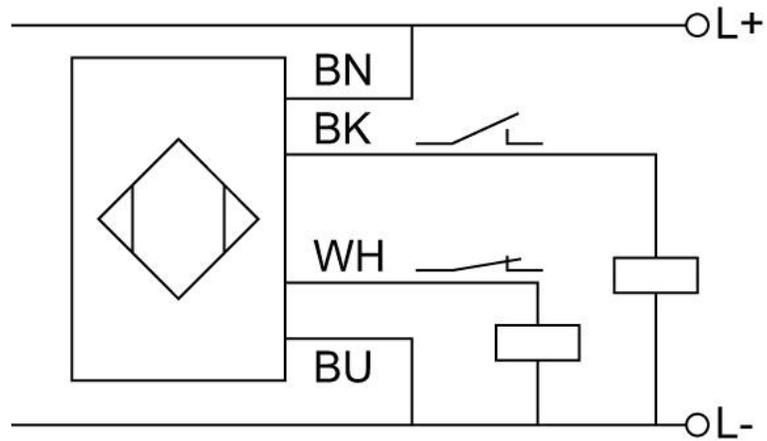
**M30x1.5 - sn 15 mm non flush - Output PNP NC
+ NO**

TYPE	IGMF 015 GSOP
Product ID	P30716
Thread/sleeve	M30x1,5
Operating Distance sn	15 mm non-flush
Output	switching output
Output function	PNP-NO / NC
Supply voltage	10...30 V DC
Current consumption max.	4 mA
Residual current	1
Overcurrent release	230 mA
Voltage drop max.	2 V
Switching frequency	1000 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K
Electrical connection	2 m FEP-cable 4x0.25 mm ²

Technical Image



Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C | IGMF 005 WS

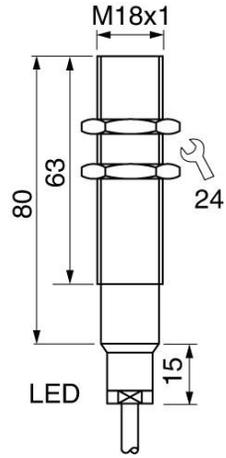
- For use at temperatures up to 120°C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



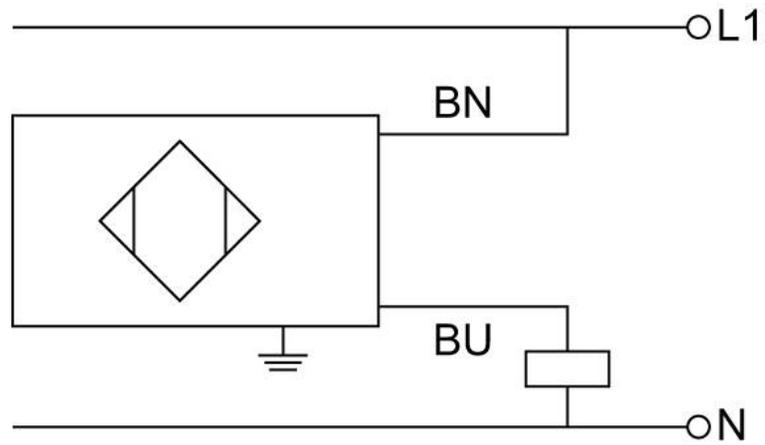
M18x1 - sn 5 mm flush - Output 2-wire AC NO

TYPE	IGMF 005 WS
Product ID	P31071
Thread/sleeve	M18x1
Operating Distance sn	5 mm flush
Output	switching output
Output function	relay
Supply voltage	20...250 V AC
Current consumption max.	2.5 mA
Switching current max.	400 mA
Voltage drop max.	5 V
Minimum load current	5 mA
Switching frequency	25 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K

Technical Image



Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C

| IGMF 008 WS

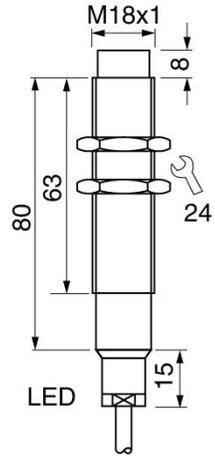
- For use at temperatures up to 120°C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



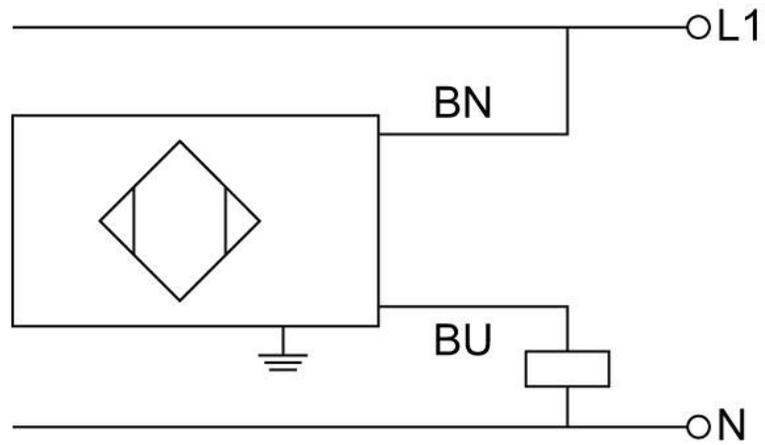
M18x1 - sn 7 mm non flush - Output 2-wire AC NO

TYPE	IGMF 008 WS
Product ID	P31073
Thread/sleeve	M18x1
Operating Distance sn	7 mm non-flush
Output function	relay
Supply voltage	20...250 V AC
Current consumption max.	2.5 mA
Switching current max.	400 mA
Voltage drop max.	5 V
Minimum load current	5 mA
Switching frequency	25 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K

Technical Image



Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C | IGMF 010 WS

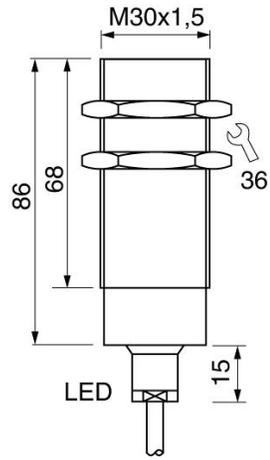
- For use at temperatures up to 120°C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



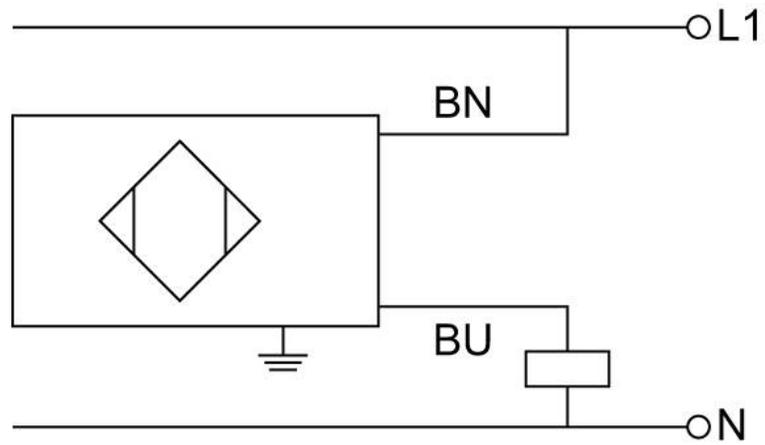
M30x1.5 - sn 10 mm flush - Output 2-wire AC NO

TYPE	IGMF 010 WS
Product ID	P31075
Thread/sleeve	M30x1,5
Operating Distance sn	10 mm flush
Output function	relay
Supply voltage	20...250 V AC
Current consumption max.	2.5 mA
Switching current max.	400 mA
Voltage drop max.	5 V
Minimum load current	5 mA
Switching frequency	25 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K

Technical Image



Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C | IGMF 015 WS

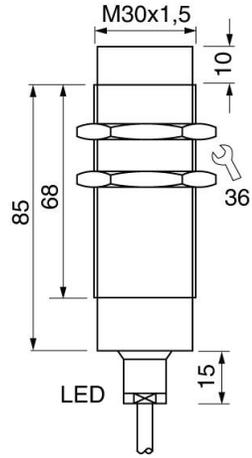
- For use at temperatures up to 120°C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



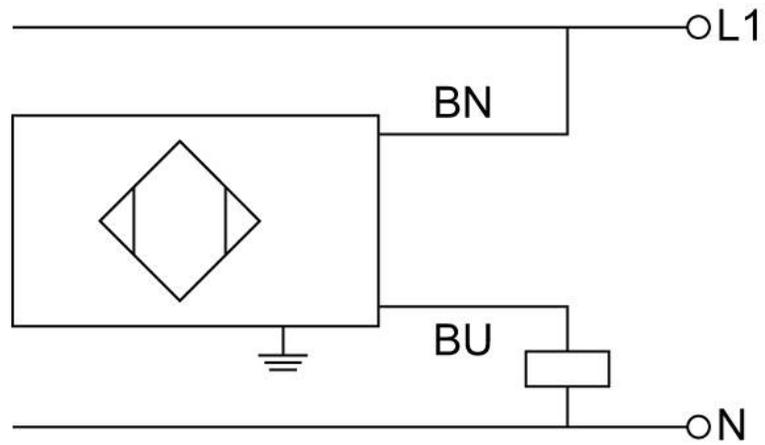
M30x1.5 - sn 15 mm non flush - Output 2-wire AC NO

TYPE	IGMF 015 WS
Product ID	P31077
Thread/sleeve	M30x1,5
Operating Distance sn	15 mm non-flush
Output	switching output
Output function	relay
Supply voltage	20...250 V AC
Current consumption max.	2.5 mA
Switching current max.	400 mA
Voltage drop max.	5 V
Minimum load current	5 mA
Switching frequency	25 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K

Technical Image



Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C | IGMF 005 WO

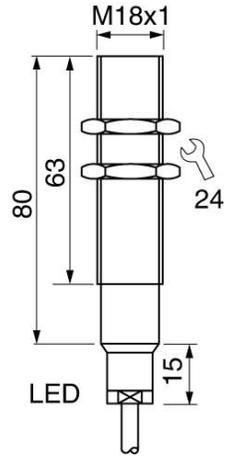
- For use at temperatures up to 120°C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



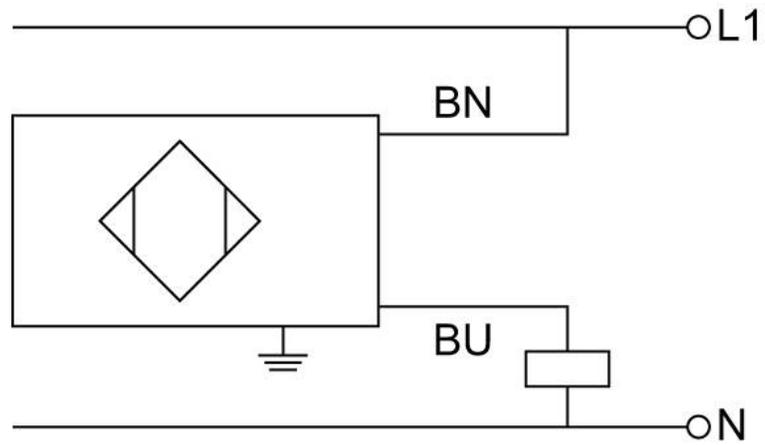
M18x1 - sn 5 mm flush - Output 2-wire AC NC

TYPE	IGMF 005 WO
Product ID	P31070
Thread/sleeve	M18x1
Operating Distance sn	5 mm flush
Output	switching output
Output function	relay NC
Supply voltage	20...250 V AC
Current consumption max.	2.5 mA
Switching current max.	400 mA
Voltage drop max.	5 V
Minimum load current	5 mA
Switching frequency	25 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K
Electrical connection	2 m FEP-cable 3x0.75 mm ²

Technical Image



Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C | IGMF 008 WO

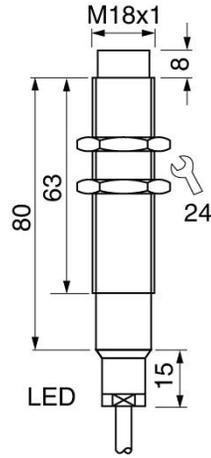
- For use at temperatures up to 120°C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



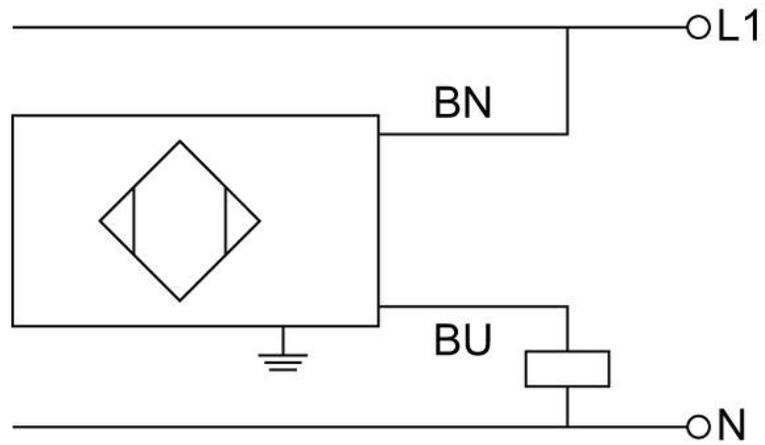
M18x1 - sn 7 mm non flush - Output 2-wire AC NC

TYPE	IGMF 008 WO
Product ID	P31072
Thread/sleeve	M18x1
Operating Distance sn	7 mm non-flush
Output	switching output
Output function	relay NC
Supply voltage	20...250 V AC
Current consumption max.	2.5 mA
Switching current max.	400 mA
Voltage drop max.	5 V
Minimum load current	5 mA
Switching frequency	25 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K
Electrical connection	2 m FEP-cable 3x0.75 mm ²

Technical Image



Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C | IGMF 010 WO

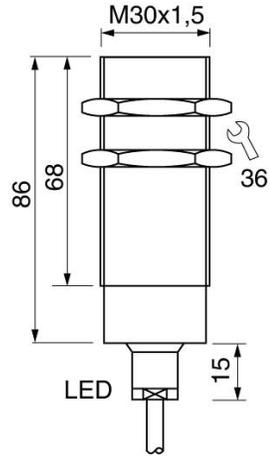
- For use at temperatures up to 120°C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



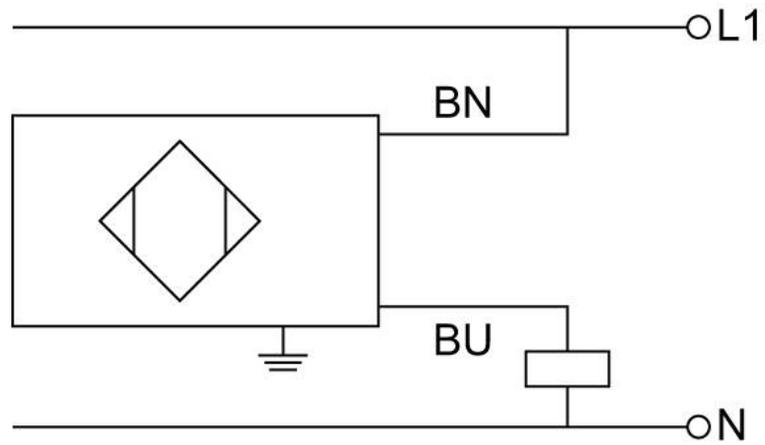
M30x1.5 - sn 10 mm flush - Output 2-wire AC NC

TYPE	IGMF 010 WO
Product ID	P31074
Thread/sleeve	M30x1,5
Operating Distance sn	10 mm flush
Output	switching output
Output function	relay NC
Supply voltage	20...250 V AC
Current consumption max.	2.5 mA
Switching current max.	400 mA
Voltage drop max.	5 V
Minimum load current	5 mA
Switching frequency	25 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K
Electrical connection	2 m FEP-cable 3x0.75 mm ²

Technical Image



Pin Map



Specially sealed sensors - climatic proofed for use in a temperature range up to 120°C | IGMF 015 WO

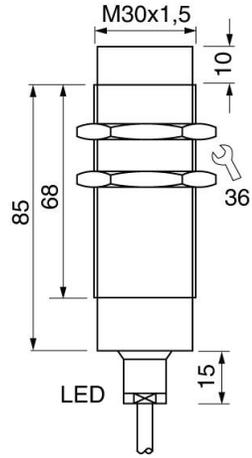
- For use at temperatures up to 120°C
- Climatic proofed Water-tight and resistant to high pressure cleaning
- For use in cleaning processes
- Detection of baskets, trolleys, objects in washing plant
- For use in the food processing, steel and paper industries



**M30x1.5 - sn 15 mm non flush - Output 2-wire
AC NC**

TYPE	IGMF 015 WO
Product ID	P31076
Thread/sleeve	M30x1,5
Operating Distance sn	15 mm non-flush
Output	switching output
Output function	relay NC
Supply voltage	20...250 V AC
Current consumption max.	2.5 mA
Switching current max.	400 mA
Voltage drop max.	5 V
Minimum load current	5 mA
Switching frequency	25 Hz
Ambient temperature	-25 °C ... 120 °C
EMC-class	A
Material housing	stainless steel AISI 316 Ti, stainless steel, PTFE
Material thread	stainless steel AISI 316 Ti (A4)
Material cap	PTFE
Protection [EN 60529]	IP 68 + IP 69K
Electrical connection	2 m FEP-cable 3x0.75 mm ²

Technical Image



Pin Map

