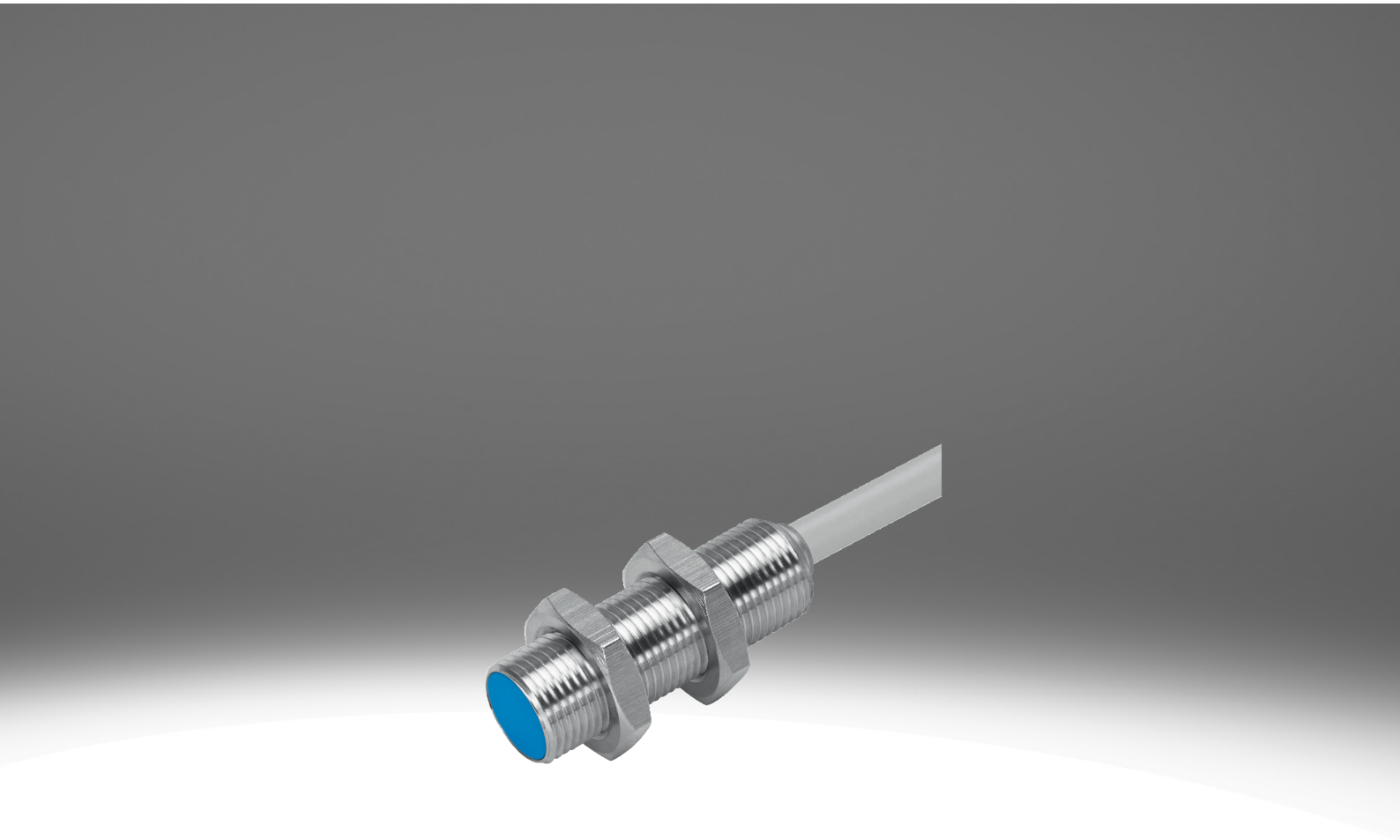
Proximity switch SIEN



Type code

001	Series	
SIEN	Proximity sensor, inductive, with standard switching distance	

002	Design	
4	Round, diameter 4 mm	
6,5	Round, diameter 6.5 mm	
M5	Round, M5x0.5	
M8	Round, M8x1	
M12	Round, M12x1	
M18	Round, M18x1	
M30	Round, M30x1.5	

003	Mounting type	
B	Flush	
NB	Not flush	

004	Switching input/output	
N	NPN	
P	PNP	

005	Switching element function	
O	N/C contact	
S	N/O contact	

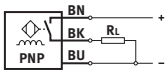
006	Electrical connection	
K	Open end	
S	Plug M8x1, 4-pin	

007	Display	
L	Switching status	

008	Housing material	
	Standard	
PA	Polyamide housing	

Datasheet

General technical data, basic type



Size	4 mm	6.5 mm	M5x0.5	M8x1	M12x1	M18x1	M30x1.5
Conforms to standard	EN 60947-5-2						
Approval	RCM, c UL us - Listed (Oil)						
CE mark (see declaration of conformity) [1]	To EU EMC Directive, In accordance with EU RoHS Directive						
Note on materials	–		RoHS compliant		–	RoHS compliant	
LABS (PWIS) conformity	VDMA24364-B2-L						

1) For information about the area of use, see the declaration of conformity at: www.festo.com/catalogue/sien → Support/Downloads.
If the devices are subject to usage restrictions in residential, commercial or light-industrial environments, further measures for the reduction of the emitted interference may be necessary.

Input signal, measuring element, basic type

Ambient temperature	-25 ... 70°C

Output, general, basic type

Size	4 mm	6.5 mm	M5x0.5	M8x1	M12x1	M18x1	M30x1.5
Repetition accuracy	0.04 mm	–				0.25 ... 0.4 mm	0.5 mm

Switching output, basic type

Mounting type	Flush						
Size	4 mm	6.5 mm	M5x0.5	M8x1	M12x1	M18x1	M30x1.5
Switching output	NPN, PNP						
Switching element function	N/C contact, N/O contact						
Rated operating distance	0.8 mm	1.5 mm	0.8 mm	1.5 mm	2 mm	5 mm	10 mm
Assured operating distance	0.64 mm	1.21 mm	–	1.21 mm	1.62 mm	4.05 mm	8.1 mm
Reduction factors	Aluminium = 0.4 Stainless steel St 18/8 = 0.7 Copper = 0.3 Brass = 0.4 Steel St 37 = 1.0	Aluminium = 0.25 Stainless steel St 18/8 = 0.7 Copper = 0.2 Brass = 0.35 Steel St 37 = 1.0	–	Aluminium = 0.25 Stainless steel St 18/8 = 0.7 Copper = 0.2 Brass = 0.35 Steel St 37 = 1.0	Aluminium = 0.4 Stainless steel St 18/8 = 0.6 Copper = 0.3 Brass = 0.5 Steel St 37 = 1.0	Aluminium = 0.4 Stainless steel St 18/8 = 0.8 Copper = 0.4 Brass = 0.5 Steel St 37 = 1.0	Aluminium = 0.45 Stainless steel St 18/8 = 0.8 Copper = 0.4 Brass = 0.55 Steel St 37 = 1.0
Hysteresis	–	≤0.07 mm	–	≤0.07 mm	≤0.18 mm	≤0.55 mm	≤1.1 mm
Max. switching frequency	3,000 Hz	5,000 Hz			3,000 Hz	2,000 Hz	1,200 Hz
Max. output current	200 mA						
Voltage drop	2 V	≤2 V	–	≤2 V		2 V	≤2 V

Switching output, basic type

Mounting type	Not flush		
Size	M8x1	M12x1	M18x1
Switching output	NPN, PNP		
Switching element function	N/C contact, N/O contact		
Rated operating distance	2.5 mm	4 mm	8 mm
Assured operating distance	2.03 mm	3.24 mm	6.48 mm
Reduction factors	Aluminium = 0.25 Stainless steel St 18/8 = 0.7 Copper = 0.2 Brass = 0.35 Steel St 37 = 1.0	Aluminium = 0.5 Stainless steel St 18/8 = 0.9 Copper = 0.5 Brass = 0.6 Steel St 37 = 1.0	Aluminium = 0.5 Stainless steel St 18/8 = 0.8 Copper = 0.4 Brass = 0.5 Steel St 37 = 1.0
Hysteresis	≤0.12 mm	≤0.36 mm	≤0.88 mm
Max. switching frequency	3,000 Hz	2,000 Hz	
Max. output current	200 mA		
Voltage drop	≤2 V		

Datasheet

Output, further data, basic type	
Short circuit current rating	Pulsed
Inductive protective circuit	Integrated

Electronics, basic type							
Size	4 mm	6.5 mm	M5x0.5	M8x1	M12x1	M18x1	M30x1.5
Operational voltage range DC	10 ... 30 V						
Immunity to surge	–		1 kV	–		0.8 kV	
Residual ripple	10%	± 10%	–	± 10%		+/-20%	
No-load supply current	≤10 mA		–	≤10 mA			
Reverse polarity protection	For all electrical connections						

Electromechanics, basic type with cable							
Size	4 mm	6.5 mm	M5x0.5	M8x1	M12x1	M18x1	M30x1.5
Electrical connection 1, connection type	Cable						
Cable length	2.5 m						
Electrical connection 1, connector system	Open end						
Electrical connection 1, number of connections/cores	3						
Electrical connection 1, used connections/cores	3						
Material cable sheath	TPE-U(PUR)						

Electromechanics, basic type							
Size	4 mm	6.5 mm	M5x0.5	M8x1	M12x1	M18x1	M30x1.5
Electrical connection 1, connection type	Plug						
Cable length	–						
Electrical connection 1, connector system	M8x1, A-coded, to EN 61076-2-104				M12x1, A-coded to EN 61076-2-101		
Electrical connection 1, number of connections/cores	3				4		
Electrical connection 1, used connections/cores	3						
Electrical connection 1, type of mounting	Snap-locking, Screw-type lock, Not rotatable				Screw-type lock, Not rotatable		
Electrical connection 1, compatible type of mounting	Compatible with latching lock, Compatible with rotatable screw-type lock				Compatible with rotatable screw-type lock		

Mechanics, basic type											
Size	4 mm	6.5 mm		M12x1				M18x1			
Type of mounting	Clamped			Via lock nut							
Mounting type	Flush			Not flush	Flush	Not flush	Flush	Not flush	Flush	Not flush	Flush
Tightening torque	–							20 Nm			
Material housing	High-alloy stainless steel	Brass PA High-alloy stainless steel Chrome-plated	PA High-alloy stainless steel	Brass PBTP nickel-plated							

Datasheet

Mechanics, basic type

Size	M5x0.5	M8x1		M30x1.5	
Type of mounting	Via lock nut				
Mounting type	Flush	Flush, Not flush		Flush	
Tightening torque	1.5 Nm	–		40 Nm	
Material housing	PA High-alloy stainless steel	Brass PA PBTP High-alloy stainless steel Chrome-plated	PA PBTP High-alloy stainless steel	Brass PA PBTP Chrome-plated	Brass PBTP Chrome-plated

Display, operation, basic type

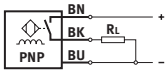
Switching status indication	Yellow LED

Immission, emission, basic type

Size	4 mm	6.5 mm	M5x0.5	M8x1	M12x1	M18x1	M30x1.5
Ambient temperature with moving cable	–	-5 ... 70°C					
Degree of protection	IP67	IP65, IP67	IP67	IP65, IP67		IP67	
Immunity to surge	–		1 kV	–		0.8 kV	
Pollution degree	–		3	–		3	
Corrosion resistance class CRC [1]	–	2 - Moderate corrosion stress	4 - Very high corrosion stress	2 - Moderate corrosion stress		–	

1) More information: www.festo.com/x/topic/crc

General technical data, polyamide housing



Size	M12	M18	M30
Design	Round		
Conforms to standard	EN 60947-5-2		
Approval	RCM, c UL us - Listed (Oil)		
CE mark (see declaration of conformity) [1]	To EU EMC Directive, To EU Low Voltage Directive, In accordance with EU RoHS Directive		

1) For information about the area of use, see the declaration of conformity at: www.festo.com/catalogue/sien → Support/Downloads.
If the devices are subject to usage restrictions in residential, commercial or light-industrial environments, further measures for the reduction of the emitted interference may be necessary.

Input signal, measuring element, polyamide housing

Ambient temperature	-25 ... 70°C

Output, general, polyamide housing

Size	M12	M18	M30
Repetition accuracy	0.04 ... 0.08 mm	0.1 ... 0.16 mm	0.2 ... 0.3 mm

Datasheet

Switching output, polyamide housing						
Mounting type	Flush			Not flush		
Size	M12	M18	M30	M12	M18	M30
Switching output	PNP					
Switching element function	N/O contact					
Rated operating distance	2 mm	5 mm	10 mm	4 mm	8 mm	15 mm
Assured operating distance	1.62 mm	4.05 mm	8.1 mm	3.24 mm	6.48 mm	12.15 mm
Reduction factors	Aluminium = 0.35 - 0.5, Stainless steel St 18/8 = 0.6 - 1.0, Copper = 0.25 - 0.45, Brass = 0.35 - 0.5, Steel St 37 = 1.0					
Hysteresis	0.06 ... 0.3 mm	0.15 ... 0.75 mm	0.3 ... 1.5 mm	0.12 ... 0.6 mm	0.24 ... 1.2 mm	0.45 ... 2.25 mm
Max. switching frequency DC	2,000 Hz		500 Hz	2,000 Hz	500 Hz	
Max. output current	200 mA					
Voltage drop	≤1.8 V					

Output, further data, polyamide housing	
Short circuit current rating	Pulsed

Electronics, polyamide housing			
Size	M12	M18	M30
Operational voltage range DC	10 ... 30 V		
Residual ripple	10%		
No-load supply current	≤15 mA		
Reverse polarity protection	For all electrical connections		

Electromechanics, polyamide housing			
Size	M12	M18	M30
Electrical connection	3-core, Cable		
Electrical connection 1, connection type	Cable		
Electrical connection 1, connector system	Open end		
Electrical connection 1, number of connections/cores	3		
Electrical connection 1, used connections/cores	3		
Cable length	2.5 m		
Material cable sheath	PVC		
Material insulating sheath	PVC		

Mechanics, polyamide housing						
Size	M12		M18		M30	
Mounting type	Flush	Not flush	Flush	Not flush	Flush	Not flush
Type of mounting	Via lock nut					
Tightening torque	1 Nm		2 Nm		5 Nm	
Material housing	Reinforced PA					

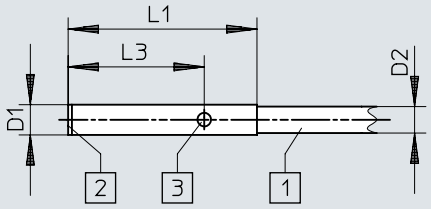
Display, operation, polyamide housing	
Switching status indication	Yellow LED

Immission, emission, polyamide housing			
Size	M12	M18	M30
Ambient temperature with moving cable	0 ... 70°C		
Degree of protection	IP65, IP67		
Corrosion resistance class CRC [1)]	4 - Very high corrosion stress		

1) More information: www.festo.com/x/topic/crc

Dimensions

Dimensions – 4 mm, flush mounted, cable Download CAD data www.festo.com

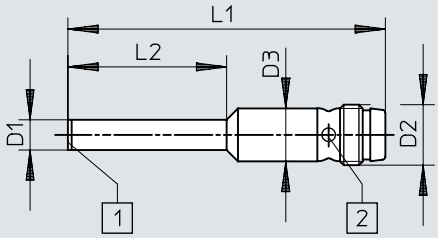


[1] 3-core cable 2.5 m long
[2] Active surface
[3] 1 switching status indication, yellow

	D1 ø	D2 ø	L1	L3
SIEN-4B-...-K-L	4	3,5	25	18

Dimensions

Dimensions – 4 mm, flush mounted, plug Download CAD data www.festo.com

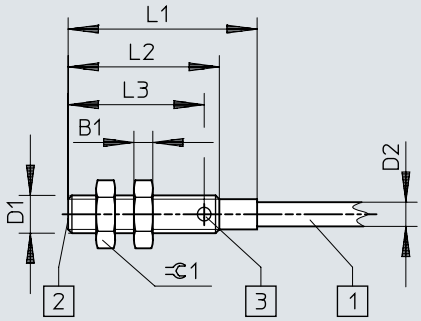


[1] Active surface
[2] 4 switching status indications, yellow

	D1 ø	D2	D3 ø	L1	L2
SIEN-4B-...-S-L	4	M8x1	6,5	38	21

Dimensions

Dimensions – M5, flush mounted, cable Download CAD data www.festo.com

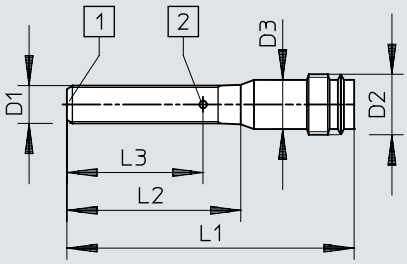


[1] 3-core cable 2.5 m long
[2] Active surface
[3] 1 switching status indication, yellow

	B1	D1	D2 ø	L1	L2	L3	⫧ 1
SIEN-M5B-...-K-L	2,5	M5x0,5	3,5	25	20	18	7

Dimensions

Dimensions – M5, flush mounted, plug Download CAD data www.festo.com

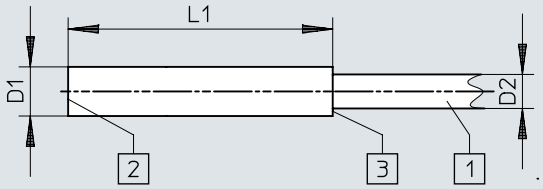


[1] Active surface
[2] 1 switching status indication, yellow

	D1	D2	D3 ø	L1	L2	⫧ 1
SIEN-M5B-...-S-L	M5x0,5	M8x1	6,5	38	23	6,5

Dimensions

Dimensions – 6.5 mm, flush mounted, cable Download CAD data www.festo.com

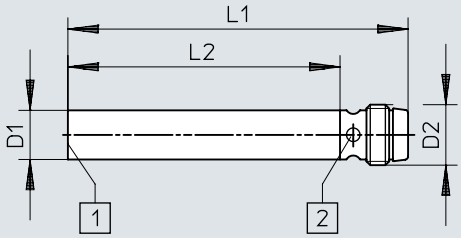


[1] 3-core cable 2.5 m long
[2] Active surface
[3] 1 switching status indication, yellow

	D1 Ø	D2 Ø	L1
SIEN-M6,5B-...-K-L	6,5	3,5	35

Dimensions

Dimensions – 6.5 mm, flush mounted, plug Download CAD data www.festo.com

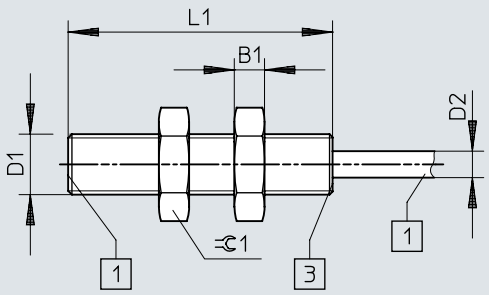


[1] Active surface
[2] 4 switching status indications, yellow

	D1 ø	D2	L1	L2
SIEN-M6,5B-...-S-L	6,5	M8x1	45	36

Dimensions

Dimensions – M8, flush mounted, cable Download CAD data www.festo.com

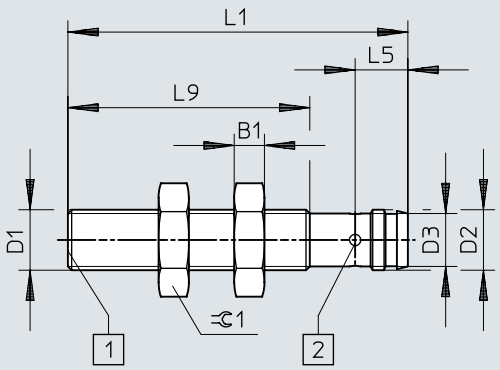


[1] 3-core cable 2.5 m long
[2] Active surface
[3] 1 switching status indication, yellow

	B1	D1	D2 ø	L1	1
SIEN-M8B-...-K-L	4	M8x1	3,5	35	13

Dimensions

Dimensions – M8, flush mounted, plug Download CAD data www.festo.com

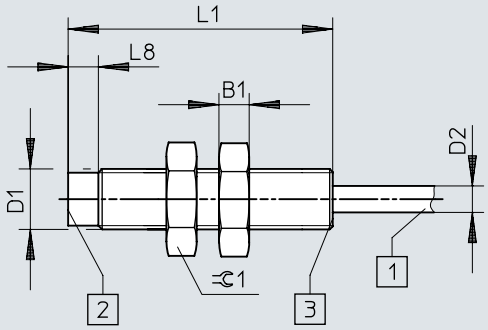


[1] Active surface
[2] 4 switching status indications, yellow

	B1	D1	D2	L1	L5	L9	⫃1
SIEN-M8B-...-S-L	4	M8x1	M8x1	45	7	32	13

Dimensions

Dimensions – M8, not flush mounted, cable Download CAD data www.festo.com

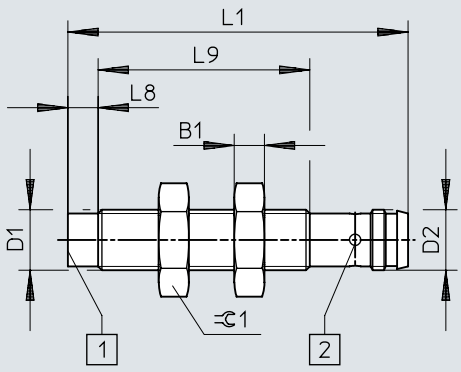


[1] 3-core cable 2.5 m long
[2] Active surface
[3] 1 switching status indication, yellow

	B1	D1	D2 ø	L1	L8	⫧ 1
SIEN-M8NB-...-K-L	4	M8x1	3,5	35	4	13

Dimensions

Dimensions – M8, not flush mounted, plug Download CAD data www.festo.com

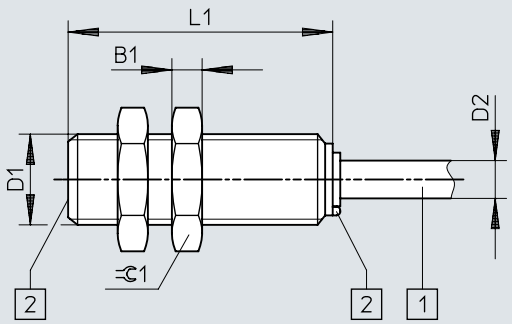


[1] Active surface
[2] 4 switching status indications, yellow

	B1	D1	D2	L1	L8	L9	⫧1
SIEN-M8NB-...-S-L	4	M8x1	M8x1	45	4	27,5	13

Dimensions

Dimensions – M12, flush mounted, cable Download CAD data www.festo.com

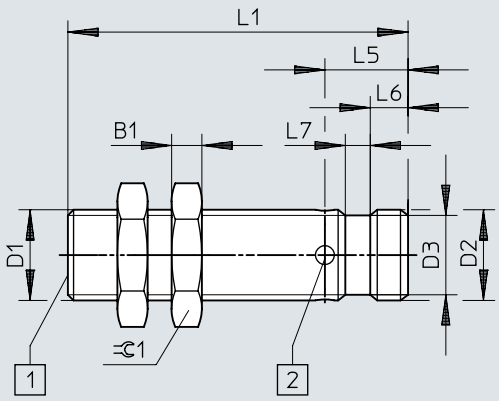


[1] 3-core cable 2.5 m long
[2] Active surface
[3] 1 switching status indication, yellow

	B1	D1	D2 ø	L1	1
SIEN-M12B-...-K-L	4	M12x1	5	35	17

Dimensions

Dimensions – M12, flush mounted, plug Download CAD data www.festo.com

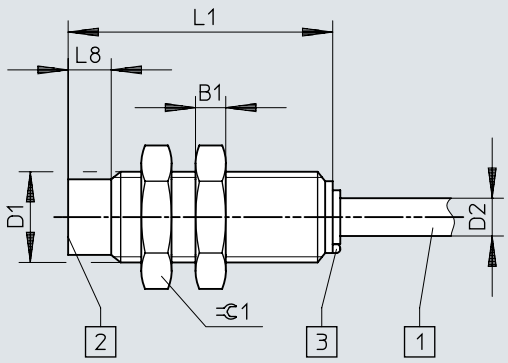


[1] Active surface
[2] 4 switching status indications, yellow

	B1	D1	D2	L1	L5	L6	L7	⫧ 1
SIEN-M12B-...-S-L	4	M12x1	M12x1	45	11	5	3,3	17

Dimensions

Dimensions – M12, not flush mounted, cable Download CAD data www.festo.com

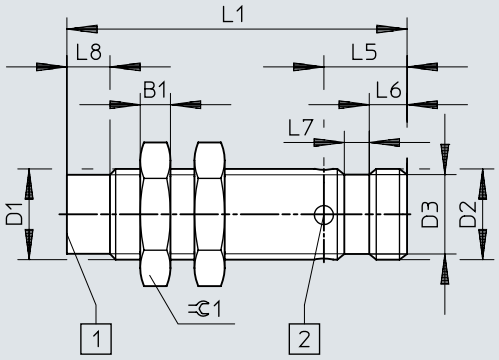


[1] 3-core cable 2.5 m long
[2] Active surface
[3] 1 switching status indication, yellow

	B1	D1	D2 ø	L1	L8	⊂ 1
SIEN-M12NB-...-K-L	4	M12x1	5	35	5,7	17

Dimensions

Dimensions – M12, not flush mounted, plug Download CAD data www.festo.com

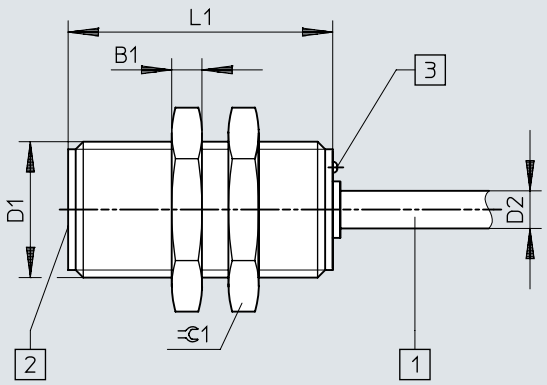


[1] Active surface
[2] 4 switching status indications, yellow

	B1	D1	D2	D3 ø	L1	L5	L6	L7	L8	1
SIEN-M12NB-...-S-L	4	M12x1	M12x1	10,5	45	11	5	3,3	5,7	17

Dimensions

Dimensions – M18, flush mounted, cable Download CAD data www.festo.com

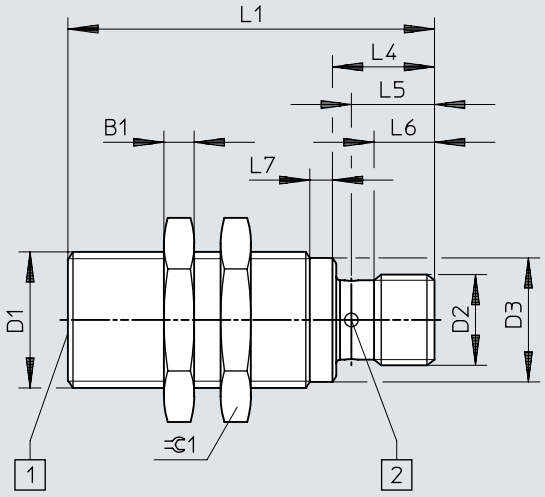


[1] 3-core cable 2.5 m long
[2] Active surface
[3] 1 switching status indication, yellow

	B1	D1	D2 ø	L1	⊂ 1
SIEN-M18B-...-K-L	4	M18x1	5	35	24

Dimensions

Dimensions – M18, flush mounted, plug Download CAD data www.festo.com

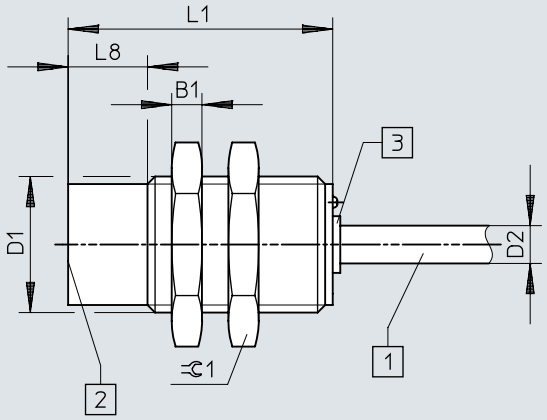


[1] Active surface
[2] 4 switching status indications, yellow

	B1	D1	D2	D3 ⌀	L1	L4	L5	L6	L7	⌀1
SIEN-M18B-...-S-L	4	M18x1	M12x1	16,4	48,5	13,5	11	8	3	24

Dimensions

Dimensions – M18, not flush mounted, cable Download CAD data www.festo.com

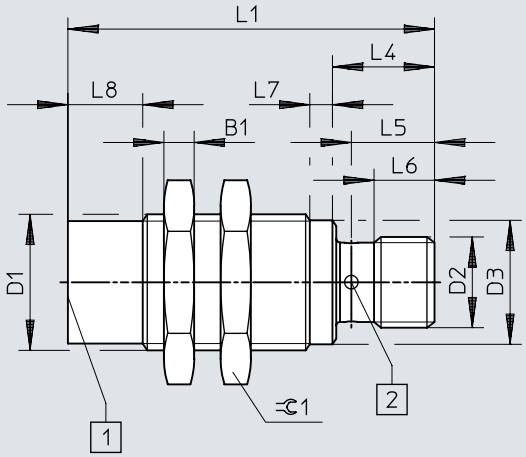


[1] 3-core cable 2.5 m long
[2] Active surface
[3] 1 switching status indication, yellow

	B1	D1	D2 ø	L1	L8	⫧ 1
SIEN-M18NB-...-K-L	4	M18x1	5	35	10	24

Dimensions

Dimensions – M18, not flush mounted, plug Download CAD data www.festo.com

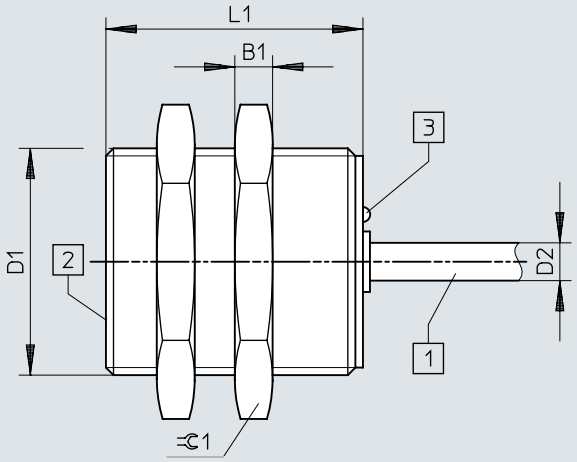


[1] Active surface
[2] 4 switching status indications, yellow

	B1	D1	D2	D3 ø	L1	L4	L5	L6	L7	L8	⊂1
SIEN-M18NB-...-S-L	4	M18x1	M12x1	16,4	48,5	13,5	11	8	3	10	24

Dimensions

Dimensions – M30, flush mounted, cable Download CAD data www.festo.com

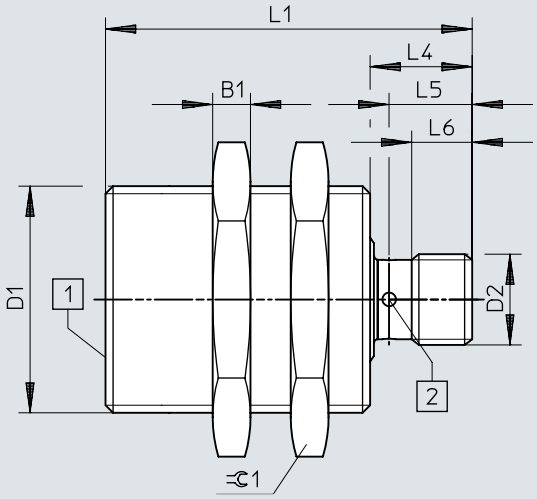


[1] 3-core cable 2.5 m long
[2] Active surface
[3] 1 switching status indication, yellow

	B1	D1	D2 ø	L1	⫧ 1
SIEN-M30B-...-K-L	5	M30x1,5	5	35	36

Dimensions

Dimensions – M30, flush mounted, plug Download CAD data www.festo.com

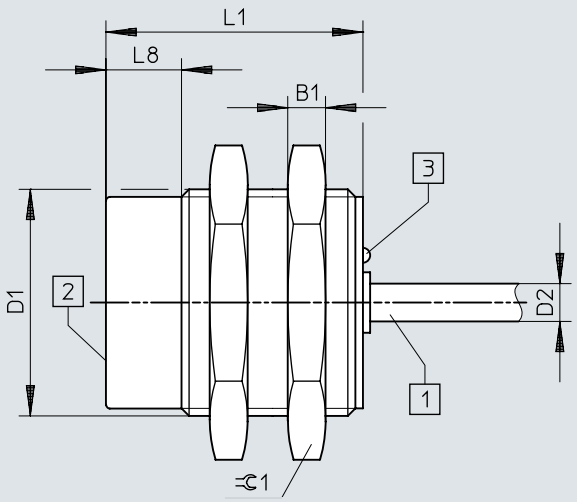


[1] Active surface
[2] 4 switching status indications, yellow

	B1	D1	D2	L1	L4	L5	L6	⌀1
SIEN-M30B-...-S-L	5	M30x1,5	M12x1	48,5	13,5	11	8	36

Dimensions

Dimensions – M30, not flush mounted, cable Download CAD data www.festo.com

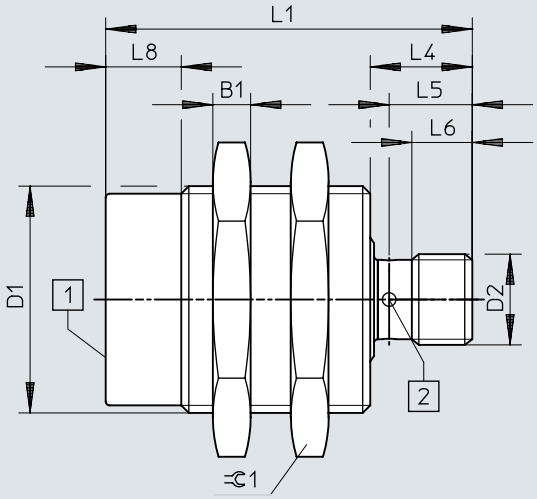


[1] 3-core cable 2.5 m long
[2] Active surface
[3] 1 switching status indication, yellow

	B1	D1	D2 ø	L1	L8	⫧1
SIEN-M30NB-...-K-L	5	M30x1,5	5	35	10	36

Dimensions

Dimensions – M30, not flush mounted, plug Download CAD data www.festo.com

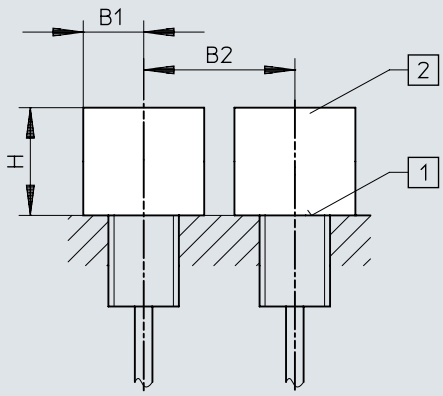


[1] Active surface
[2] 4 switching status indications, yellow

	B1	D1	D2	L1	L4	L5	L6	L8	⫧ 1
SIEN-M30NB-...-S-L	5	M30x1,5	M12x1	48,5	13,5	11	8	10	36

Dimensions

Dimensions – Installation note Flush mounted Download CAD data www.festo.com

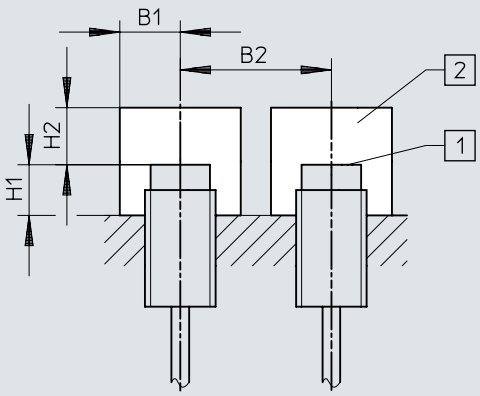


[1] Active surface
[2] Metal-free room

	B1	B2	H
SIEN-4B	2,5	5	2
SIEN-M5B	3,3	5	2,4
SIEN-6,5B	5	9,5	4,5
SIEN-M8B	5,5	10	4,5
SIEN-M12B	8	18	6
SIEN-M18B	14	32	15
SIEN-M30B	25	60	30

Dimensions

Dimensions – Installation note Not flush mounted Download CAD data www.festo.com

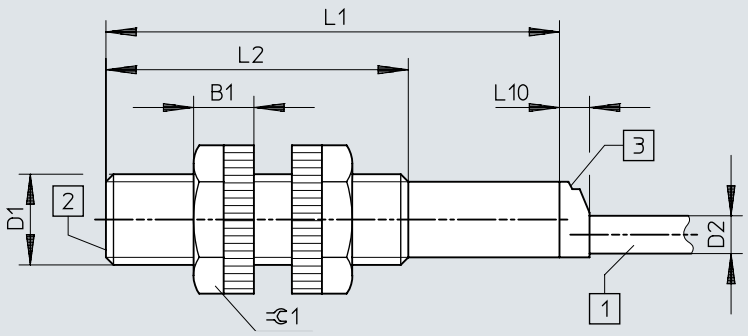


[1] Active surface
[2] Metal-free room

	B1	B2	H1	H2
SIEN-M8NB	9	16	8	7,5
SIEN-M12NB	12	28	6	12
SIEN-M18NB	20	50	10	24
SIEN-M30NB	30	75	15	45

Dimensions

Dimensions – M12, cable Download CAD data www.festo.com

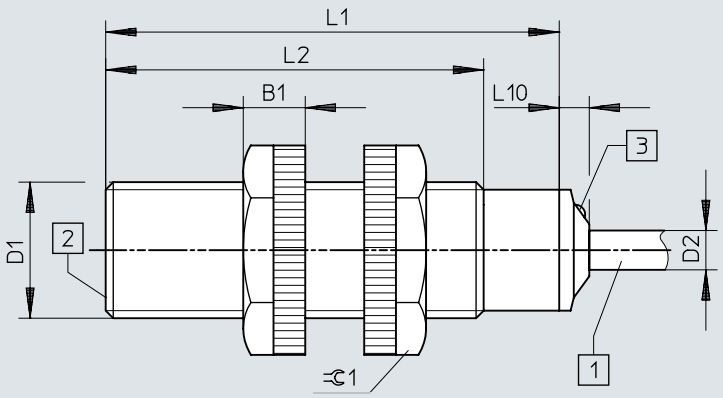


[1] 3-core cable 2.5 m long
[2] Active surface
[3] 1 switching status indication, yellow

	B1	D1	D2 ø	L1	L2	L10	⫧1
SIEN-M12-...-B-...-K-L-PA	8	M12x1	5	60	40	4	17

Dimensions

Dimensions – M18, cable Download CAD data www.festo.com

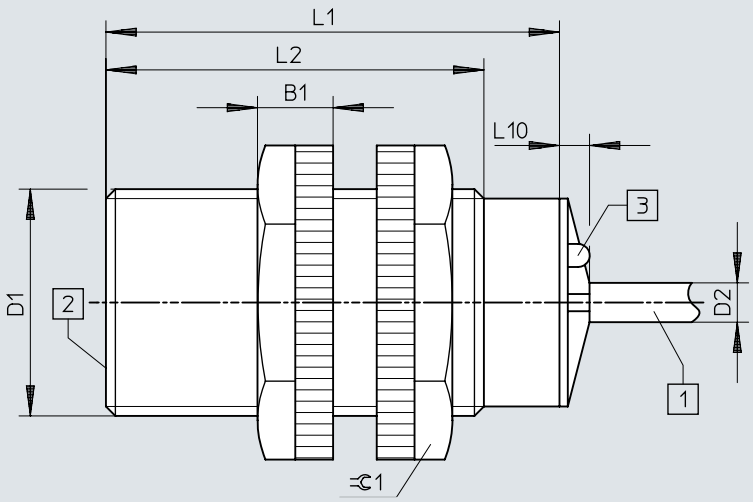


[1] 3-core cable 2.5 m long
[2] Active surface
[3] 1 switching status indication, yellow

	B1	D1	D2 ø	L1	L2	L10	⫧1
SIEN-M18-...-B-...-K-L-PA	8,2	M18x1	5,2	60	50	4	24

Dimensions

Dimensions – M30, cable Download CAD data www.festo.com

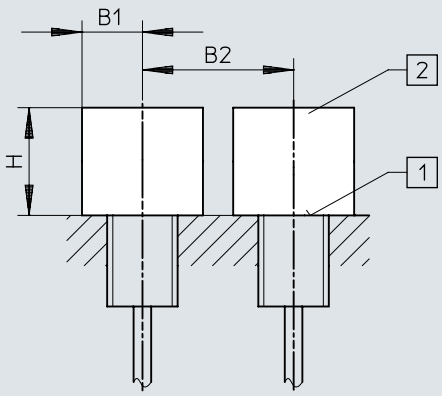


[1] 3-core cable 2.5 m long
[2] Active surface
[3] 1 switching status indication, yellow

	B1	D1	D2 ø	L1	L2	L10	⫧1
SIEN-M30-...-B-...-K-L-PA	10	M30x1,5	5	60	50	4	36

Dimensions

Dimensions – Installation note Flush mounted Download CAD data www.festo.com

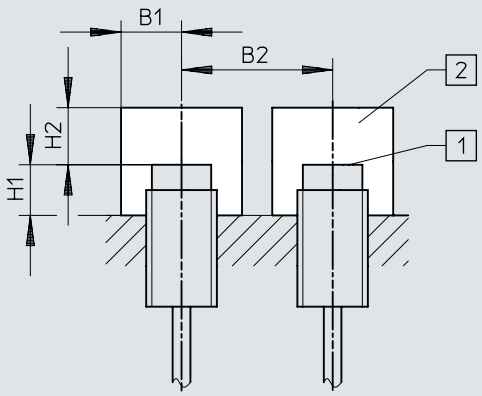


[1] Active surface
[2] Metal-free room

	B1	B2	H
SIEN-M12B-...-PA	18	24	6
SIEN-M18B-...-PA	27	36	15
SIEN-M30B-...-PA	45	60	30

Dimensions

Dimensions – Installation note Not flush mounted Download CAD data www.festo.com



[1] Active surface
[2] Metal-free room

	B1	B2	H1	H2
SIEN-M12NB-...-PA	18	36	8	12
SIEN-M18NB-...-PA	27	54	16	24
SIEN-M30NB-...-PA	45	90	30	45

Ordering data

Ordering data 4 mm

Mounting type	Switching output	Switching element function	Product weight	Part no.	Type
Flush	NPN	N/O contact	9 g	150361	SIEN-4B-NS-S-L
			48 g	150360	SIEN-4B-NS-K-L
	PNP	N/C contact	9 g	150367	SIEN-4B-PO-S-L
			48 g	150366	SIEN-4B-PO-K-L
		N/O contact	9 g	150363	SIEN-4B-PS-S-L
			48 g	150362	SIEN-4B-PS-K-L

Ordering data M5

Mounting type	Switching output	Switching element function	Product weight	Part no.	Type
Flush	NPN	N/O contact	4.3 g	150369	SIEN-M5B-NS-S-L
			33.6 g	150368	SIEN-M5B-NS-K-L
	PNP	N/C contact	4.3 g	150375	SIEN-M5B-PO-S-L
			33.6 g	150374	SIEN-M5B-PO-K-L
		N/O contact	4.3 g	150371	SIEN-M5B-PS-S-L
			33.6 g	150370	SIEN-M5B-PS-K-L

Ordering data 6.5 mm

Mounting type	Switching output	Switching element function	Product weight	Part no.	Type
Flush	NPN	N/O contact	4 g	150377	SIEN-6,5B-NS-S-L
			45 g	150376	SIEN-6,5B-NS-K-L
	PNP	N/C contact	4 g	150383	SIEN-6,5B-PO-S-L
			45 g	150382	SIEN-6,5B-PO-K-L
		N/O contact	4 g	150379	SIEN-6,5B-PS-S-L
			45 g	150378	SIEN-6,5B-PS-K-L

Ordering data M8

Mounting type	Switching output	Switching element function	Product weight	Part no.	Type
Flush	NPN	N/O contact	18 g	150385	SIEN-M8B-NS-S-L
			53 g	150384	SIEN-M8B-NS-K-L
	PNP	N/C contact	18 g	150391	SIEN-M8B-PO-S-L
			53 g	150390	SIEN-M8B-PO-K-L
		N/O contact	18 g	150387	SIEN-M8B-PS-S-L
			53 g	150386	SIEN-M8B-PS-K-L
Not flush	NPN		18 g	150393	SIEN-M8NB-NS-S-L
			53 g	150392	SIEN-M8NB-NS-K-L
	PNP	N/C contact	18 g	150399	SIEN-M8NB-PO-S-L
			53 g	150398	SIEN-M8NB-PO-K-L
		N/O contact	18 g	150395	SIEN-M8NB-PS-S-L
			53 g	150394	SIEN-M8NB-PS-K-L

Ordering data

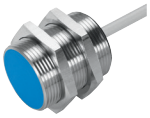
Ordering data M12

Mounting type	Switching output	Switching element function	Product weight	Part no.	Type
Flush	NPN	N/O contact	30 g	**150401**	**SIEN-M12B-NS-S-L**
			110 g	**150400**	**SIEN-M12B-NS-K-L**
	PNP	N/C contact	30 g	**150407**	**SIEN-M12B-PO-S-L**
			110 g	**150406**	**SIEN-M12B-PO-K-L**
		N/O contact	30 g	**150403**	**SIEN-M12B-PS-S-L**
			110 g	**150402**	**SIEN-M12B-PS-K-L**
Not flush	NPN		25 g	**150409**	**SIEN-M12NB-NS-S-L**
			90 g	**150408**	**SIEN-M12NB-NS-K-L**
	PNP	N/C contact	25 g	**150415**	**SIEN-M12NB-PO-S-L**
			90 g	**150414**	**SIEN-M12NB-PO-K-L**
		N/O contact	25 g	**150411**	**SIEN-M12NB-PS-S-L**
			90 g	**150410**	**SIEN-M12NB-PS-K-L**

Ordering data M18

Mounting type	Switching output	Switching element function	Product weight	Part no.	Type
Flush	NPN	N/O contact	43 g	**150417**	**SIEN-M18B-NS-S-L**
			108 g	**150416**	**SIEN-M18B-NS-K-L**
	PNP	N/C contact	43 g	**150423**	**SIEN-M18B-PO-S-L**
			108 g	**150422**	**SIEN-M18B-PO-K-L**
		N/O contact	43 g	**150419**	**SIEN-M18B-PS-S-L**
			108 g	**150418**	**SIEN-M18B-PS-K-L**
Not flush	NPN		40 g	**150425**	**SIEN-M18NB-NS-S-L**
			105 g	**150424**	**SIEN-M18NB-NS-K-L**
	PNP	N/C contact	40 g	**150431**	**SIEN-M18NB-PO-S-L**
			105 g	**150430**	**SIEN-M18NB-PO-K-L**
		N/O contact	40 g	**150427**	**SIEN-M18NB-PS-S-L**
			105 g	**150426**	**SIEN-M18NB-PS-K-L**

Ordering data M30



Mounting type	Switching output	Switching element function	Product weight	Part no.	Type
Flush	NPN	N/O contact	100 g	**150433**	**SIEN-M30B-NS-S-L**
			155 g	**150432**	**SIEN-M30B-NS-K-L**
	PNP	N/C contact	100 g	**150439**	**SIEN-M30B-PO-S-L**
			155 g	**150438**	**SIEN-M30B-PO-K-L**
		N/O contact	100 g	**150435**	**SIEN-M30B-PS-S-L**
			155 g	**150434**	**SIEN-M30B-PS-K-L**

Ordering data

Ordering data – Polyamide housing M12

Mounting type	Switching output	Switching element function	Product weight	Part no.	Type
Flush	PNP	N/O contact	113 g	**538323**	**SIEN-M12B-PS-K-L-PA**
Not flush				**538329**	**SIEN-M12NB-PS-K-L-PA**

Ordering data – Polyamide housing M18

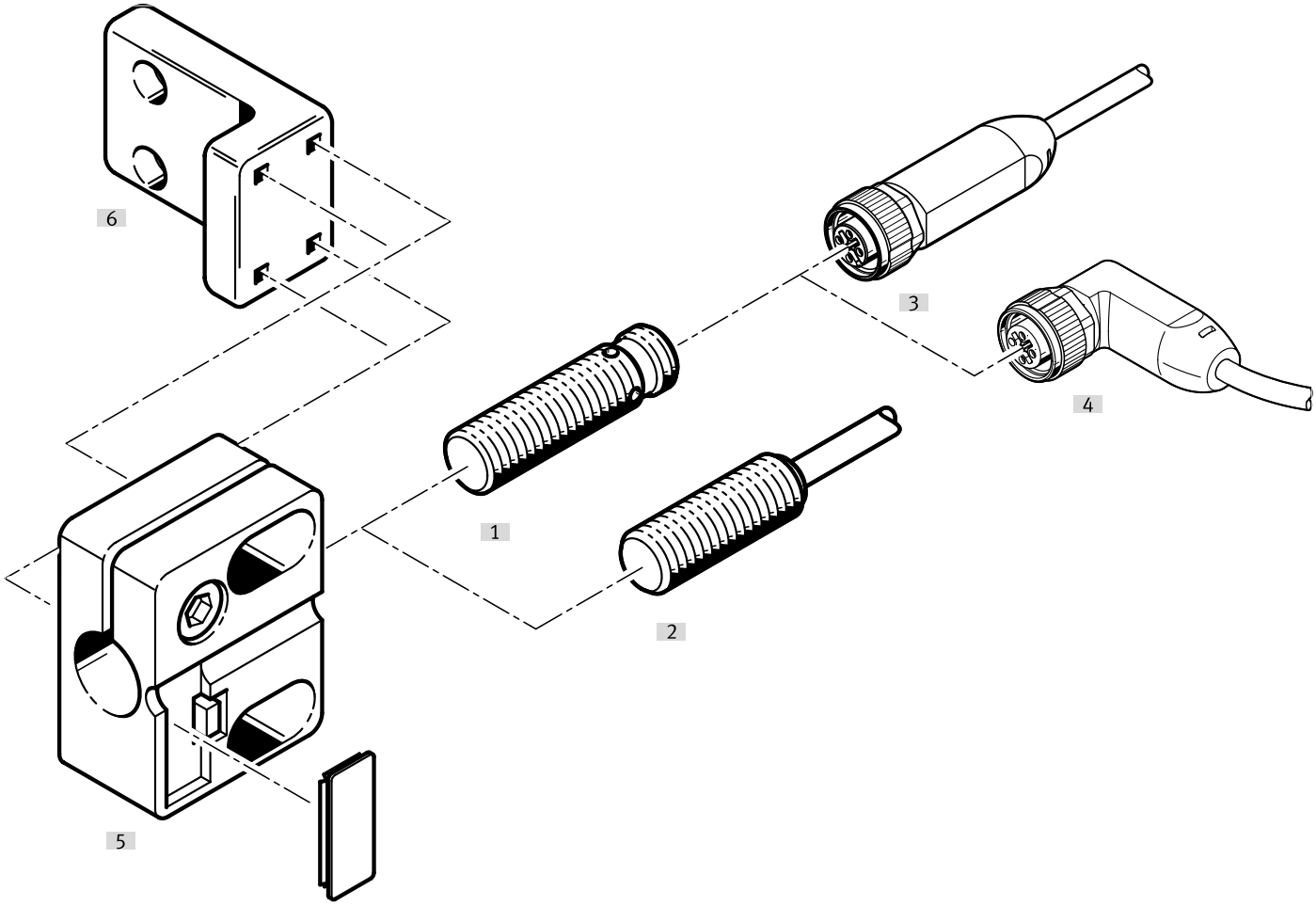
Mounting type	Switching output	Switching element function	Product weight	Part no.	Type
Flush	PNP	N/O contact	127 g	**538325**	**SIEN-M18B-PS-K-L-PA**
Not flush				**538331**	**SIEN-M18NB-PS-K-L-PA**

Ordering data – Polyamide housing M30

Mounting type	Switching output	Switching element function	Product weight	Part no.	Type
Flush	PNP	N/O contact	158 g	**538327**	**SIEN-M30B-PS-K-L-PA**
Not flush				**538333**	**SIEN-M30NB-PS-K-L-PA**

Peripherals

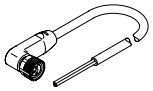
Peripherals overview



Accessories			→ Link
	Type/order code	Description	
[1]	Proximity switch SIEN-M5B-PS-S-L	Proximity switch, inductive with plug	sien
[2]	Proximity switch SIEN-M5B-PS-K-L	Proximity switch, inductive with cable	sien
[3]	Connecting cables NEBA-M12G5-...	Straight socket	41
[4]	Connecting cables NEBA-M12W5-...	Angled socket	41
[5]	Sensor bracket SIEZ-B-12	For flush mounting	42
[6]	Sensor bracket SIEZ-UH	Without stop	42

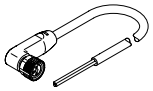
Accessories

Connecting cables M8 socket, 3-pin, without switching status indication



Electrical connection 1, cable outlet	Electrical connection 2, connector system	Cable length	Product weight	Part no.	Type
Straight	M12x1, A-coded to EN 61076-2-101	0.5 m	23 g	8078278	NEBA-M8G3-U-0.5-N-M12G3
		1 m	33 g	8078279	NEBA-M8G3-U-1-N-M12G3
		2.5 m	60 g	8078280	NEBA-M8G3-U-2.5-N-M12G3
		5 m	107 g	8078281	NEBA-M8G3-U-5-N-M12G3
	M8x1, A-coded to EN 61076-2-104	0.5 m	17 g	8078282	NEBA-M8G3-U-0.5-N-M8G3
		1 m	26 g	8078283	NEBA-M8G3-U-1-N-M8G3
		1.5 m	35 g	8078284	NEBA-M8G3-U-1.5-N-M8G3
		2 m	44 g	8078285	NEBA-M8G3-U-2-N-M8G3
		2.5 m	54 g	8078286	NEBA-M8G3-U-2.5-N-M8G3
		5 m	100 g	8078287	NEBA-M8G3-U-5-N-M8G3
		10 m	192 g	8078288	NEBA-M8G3-U-10-N-M8G3
	Open end	1 m	22 g	8078222	NEBA-M8G3-U-1-N-LE3
		2.5 m	50 g	8078223	NEBA-M8G3-U-2.5-N-LE3
		5 m	96 g	8078224	NEBA-M8G3-U-5-N-LE3
		10 m	188 g	8078225	NEBA-M8G3-U-10-N-LE3
		20 m	373 g	8078226	NEBA-M8G3-U-20-N-LE3
Angled		2.5 m	50 g	8078230	NEBA-M8W3-U-2.5-N-LE3
		5 m	96 g	8078231	NEBA-M8W3-U-5-N-LE3
		10 m	189 g	8078232	NEBA-M8W3-U-10-N-LE3

Connecting cables, socket M8, 3-pin, snap-locking



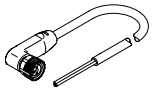
Electrical connection 1, cable outlet	Electrical connection 2, connector system	Cable length	Product weight	Part no.	Type
Straight	Open end	2.5 m	49 g	8078264	NEBA-M8CG3-U-2.5-N-LE3
		5 m	95 g	8078265	NEBA-M8CG3-U-5-N-LE3
Angled		2.5 m	49 g	8078266	NEBA-M8CW3-U-2.5-N-LE3
		5 m	95 g	8078267	NEBA-M8CW3-U-5-N-LE3

Connecting cables, socket M12, 5-pin, without switching status indicator

Electrical connection 1, connection type	Electrical connection 1, connector system	Electrical connection 2, connector system	Product weight	Part no.	Type
Socket	M12x1, A-coded to EN 61076-2-101	Screw terminal	23 g	8162293	NECB-M12W5-C2
			26 g	8162291	NECB-M12G5-C2

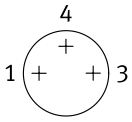
Accessories

Connecting cables M12 socket, 5-pin, without switching status indication



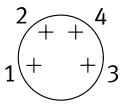
Electrical connection 1, cable outlet	Electrical connection 2, connector system	Cable length	Product weight	Part no.	Type
Straight	M12x1, A-coded to EN 61076-2-101	0.5 m	34 g	**8078274**	**NEBA-M12G5-U-0.5-N-M12G5**
		1 m	47 g	**8078275**	**NEBA-M12G5-U-1-N-M12G5**
		2.5 m	87 g	**8078276**	**NEBA-M12G5-U-2.5-N-M12G5**
		5 m	153 g	**8078277**	**NEBA-M12G5-U-5-N-M12G5**
	Open end	2.5 m	55 g	**8078236**	**NEBA-M12G5-U-2.5-N-LE3**
		5 m	102 g	**8078237**	**NEBA-M12G5-U-5-N-LE3**
		10 m	194 g	**8078238**	**NEBA-M12G5-U-10-N-LE3**
Angled		2.5 m	56 g	**8078245**	**NEBA-M12W5-U-2.5-N-LE3**
		5 m	103 g	**8078246**	**NEBA-M12W5-U-5-N-LE3**
		10 m	195 g	**8078247**	**NEBA-M12W5-U-10-N-LE3**

M8 plug, 3-pin



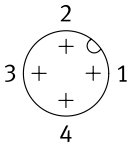
Cable outlet	Electrical connection 2, connection type	Cable diameter	Product weight	Part no.	Type
Straight	Cable	2.1 ... 5 mm	5 g	**8162298**	**NECB-S-M8G3-C2**

M8 plug, 4-pin



Cable outlet	Electrical connection 2, connection type	Cable diameter	Product weight	Part no.	Type
Straight	2x cable	2 ... 3.8 mm	8 g	**8162300**	**NECB-S-M8G4-C2-D**
	Cable	2.1 ... 5 mm	5 g	**8162299**	**NECB-S-M8G4-C2**

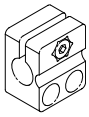
M12 plug, 4-pin



Cable outlet	Electrical connection 2, connection type	Cable diameter	Product weight	Part no.	Type
Straight	2x cable	2.1 ... 5.6 mm	25 g	**8162297**	**NECB-S-M12G5-C2-D**
	Cable	2.1 ... 7 mm	19 g	**8162296**	**NECB-S-M12G5-C2**

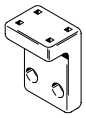
Accessories

Sensor bracket with stop



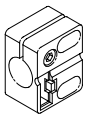
Size	Type of mounting	Product weight	Part no.	Type
M12	With through-hole	20 g	**538348**	**SIEZ-B-12**
M18		21 g	**538350**	**SIEZ-B-18**
M30		36 g	**538352**	**SIEZ-B-30**

Sensor bracket without stop



Type of mounting	Product weight	Part no.	Type
With through-hole	25 g	**538354**	**SIEZ-UH**

Sensor bracket without stop



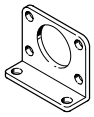
Size	Type of mounting	Product weight	Part no.	Type
4 mm	With through-hole	14 g	**538343**	**SIEZ-NB-4**
6.5 mm		9 g	**538344**	**SIEZ-NB-6,5**
M8		3.5 g	**538345**	**SIEZ-NB-8**
M12		20 g	**538347**	**SIEZ-NB-12**
M18		21 g	**538349**	**SIEZ-NB-18**
M30		36 g	**538351**	**SIEZ-NB-30**

Foot mounting

Size [1]	Product weight	Part no.	Type
8/10	22 g	**5123**	**HBN-8/10X1**

1) Suitable for SIEN-M12.

Flange mounting

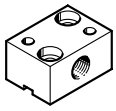


Size [1]	Product weight	Part no.	Type
32	103 g	**195855**	**FBN-32**

1) Suitable for SIEN-M30.

Accessories

Stop



Size	Part no.	Type
M8	**11542**	**SDA-8X1-B**
M12	**11541**	**SDA-12X1-B**