

Standard Hook Pin Clamps

01/28/2025



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PC-HPC-1

Standard Hook Pin Clamps

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Table of Contents (continued)

82P25-2

Pneumatic Pin Clamp | Ordering and Technical Information

82P25-2

00

D8

XX

Size	Description	Tip	Description
82P25-2	25 mm Cylinder (G1/8 and NPT 1/8 Ports)	00	without centering pin
		08-22	with customer specified round centering pin from Ø8-22 mm

Serial Number	Description
XX	Customer specified Base, Clamping Hook and Centering Pin <i>Must contact factory with specifications to complete order number</i>

Sensor	Description
D8	Inductive Sensing System with M12x1 Connector (8EA-161-1)

82P25-2XX

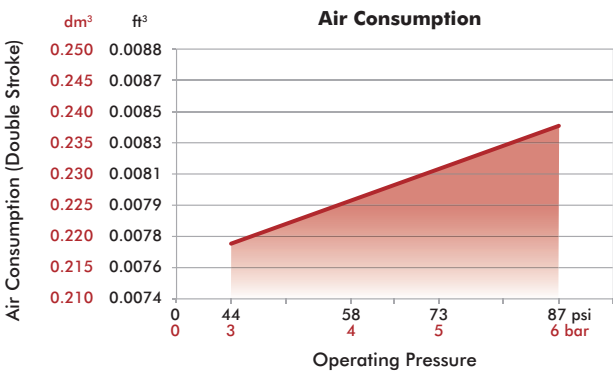
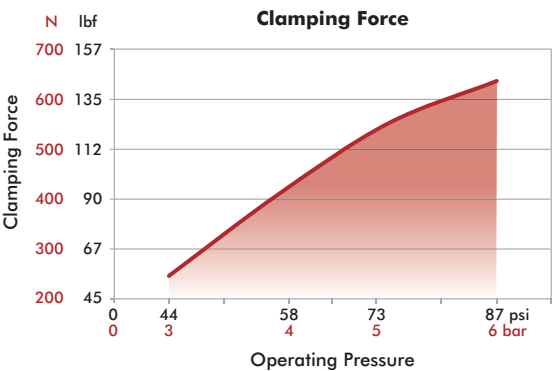
Specification	Unit	82P25-2
Max. Clamping Force @ 5 bar	[lbf] N	[124] 550
Max. Operating Pressure	bar [psi]	[87] 6
Piston Diameter	[in] mm	[1.57] 40
Air Consumption per Double Stroke @ 6 bar [87psi]	[in³] liter	[15.26] 0,25
Weight	[lb] kg	[2.07] 0,94



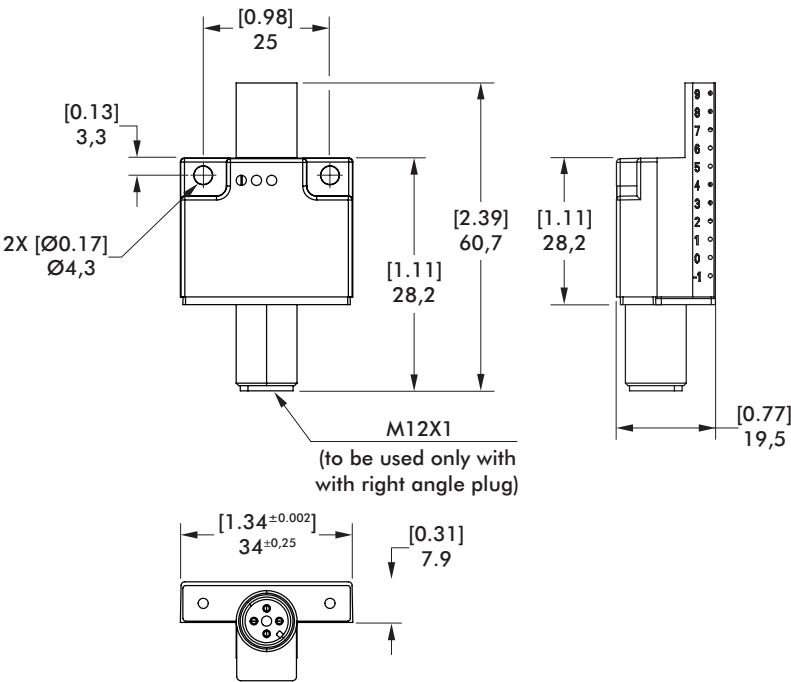
82P25-2 SENSORS

Pneumatic Pin Clamp | Dimensions and Technical Specifications

Clamping Force and Air Consumption

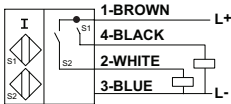
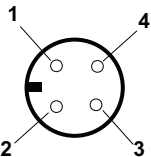


D8 Inductive Sensing System



Inductive Sensor Wiring Diagram

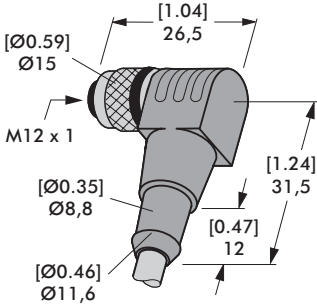
Sensing system immune to interference from AC / DC arc welding.



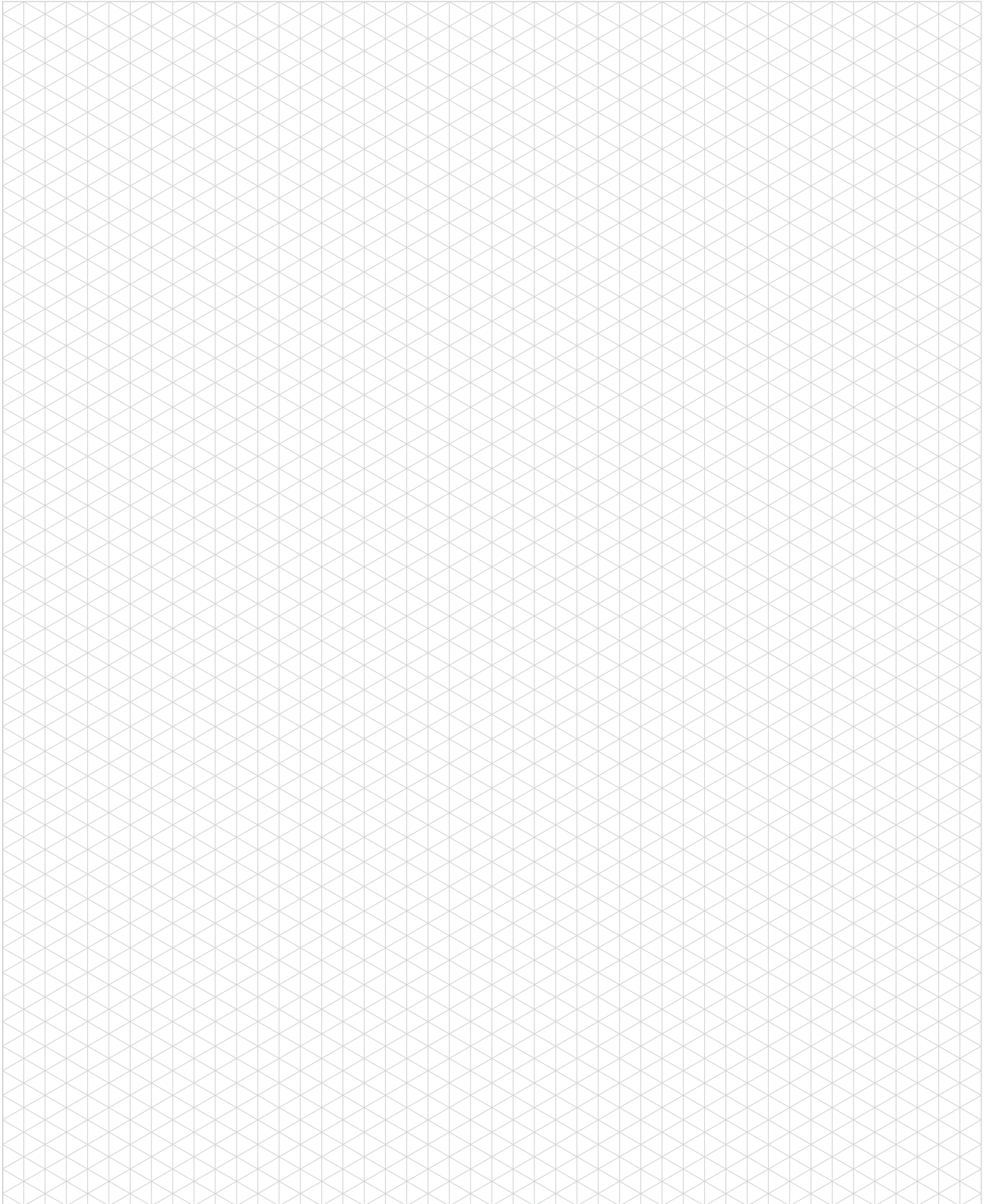
1-Common +
2-Open
3-Common -
4-Closed

Sensor Cable Accessories

Sensor Cables (1 connector & 5m cable)	Order no.
M12x1 connector, 90° angular, 4-pin	8EL-003-1



Angular Cable
8EL-003-1



82P30-3/82P35-3

Pneumatic Pin Clamp | Ordering and Technical Information

82P

30-3

20

B8

00

Clamping Hook

00

D0

Description

Single Hook (Standard)

Double Hook

Size

Description

30-3

30 mm Cylinder (G1/8 Port)

35-3

35 mm Cylinder (G1/8 Port)

Centering Pin

Ø Range for 82P30-3

20

20,0 - 23,0 mm

25

23,1 - 28,0 mm

30

28,1 - 33,0 mm

Ø Range for 82P35-3

40

33,1 - 45,0 mm

Order separately. 82P3X-3XX-XX,X

ex. 82P30-320-21,1

00

D0

00

C0

B8

Specification

Unit

82P30-3

82P35-3

Max. Clamping Force @ 6 bar

[lbf]

2000

[790]

3500

Max. Operating Pressure

bar

[87]

[87]

6

6

Piston Diameter

[in]

[1.18]

[1.38]

30

35

Air Consumption per Double Stroke @ 6 bar [87psi]

[in³]

[48.82]

[48.82]

0,8

0,8

Weight

[lb]

[6.61]

[7.50]

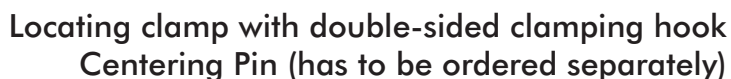
3

3,4

82P30-3

82P35-3

Pneumatic Pin Clamp | Dimensions and Technical Specifications



See page 8 for
Centering Pin dimensions

ØD

L1 max.

L2

B

L7

L6

[1.26 ± 0.001]
32 ± 0,02

[1.26 ± 0.0004]
32 ± 0,01

[1.18 ± 0.001
± 0.002 for Ø8 H7]
30 ± 0,02 for Ø8 H7

Important!
Locating pin clamp
must only be operated
by external pneumatic
one-way flow control
valves.

G1/8

mm [INCH]

THIRD ANGLE
PROJECTION

Medium: air, max. 6 bar, operation with oil-free air is permissible.

Technical Data

Model	Piston Ø	Centering Pin ØD	B	B1	B2	B2α	B3	B4	B5	B6	B7	B8	B9
		[-0.002] -0,05	[-0.004] -0,1							[±0.004] ±0,1	[±0.008] ±0,2		[±0.000] ±0,2
82P30-32000D0		[0.79-0.91] 20,0-23,0			[0.73] 18,5	[0.77] 19,5		[0.20] 5					
82P30-32500D0	[1.18] 30	[0.91-1.10] 23,1-28,0	[0.20] 5	[1.97] 50	[0.81] 20,5	[0.85] 21,5	[2.28] 58	[0.21] 5,25	[3.35] 85	[0.41] 10,5	[2.56] 65	[0.41] 10,5	[2.56] 65
82P30-33000D0		[1.10-1.30] 28,1-33,0			[0.89] 22,5	[0.93] 23,5							
82P35-34000D0	[1.38] 35	[1.30-1.77] 33,1-45,0	[0.14] 3,5	[2.36] 60	[1.34] 34	[1.34] 34	[2.09] 53	[0.28] 7	[3.54] 90	[0.75] 19	[2.40] 61	[0.28] 7	[2.99] 76

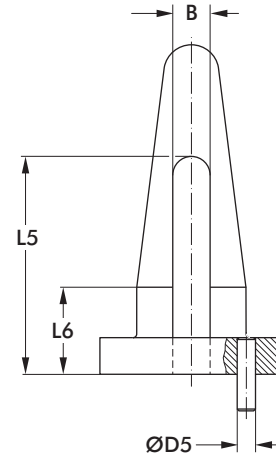
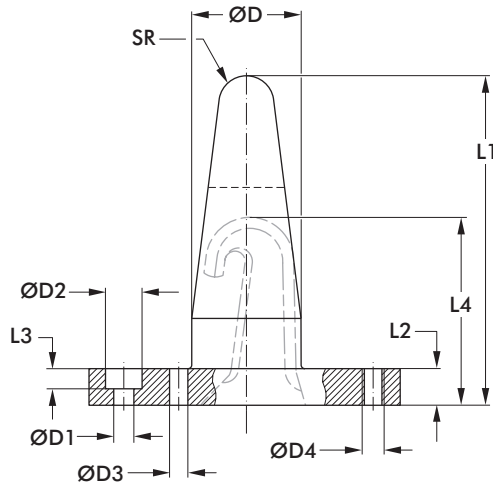
Model	B10 [±0.004] ±0,1	B11 [±0.004] ±0,1	B12* [±0.002] ±0,05	B13 max.	B14 max.	B15* [±0.001] ±0,025	B23 max.	B24	L1 max.	L2 [±0.004] ±0,1	L4 ~	L5	L6 [±0.002] ±0,5	L7 [±0.004] ±0,1
82P30-32000D0									[11.97] 304		[1.57] 40			
82P30-32500D0	[1.38] 35	[1.00] 25,5	[1.18] 30			[0.59] 15	[2.97] 75,4			[0.39] 10	[1.73] 44	[0.45] 11,5	[1.57] 40	[0.94] 24
82P30-33000D0				[4.49] 114	[4.21] 107			[4.21] 107	[12.05] 306		[1.77] 45			
82P35-34000D0	[1.46] 37	[1.22] 31	[1.57] 40			[0.79] 20	[3.36] 85.4		[12.99] 330	[0.47] 12	[2.20] 56	[0.55] 14	[1.50] 38	[0.87] 22



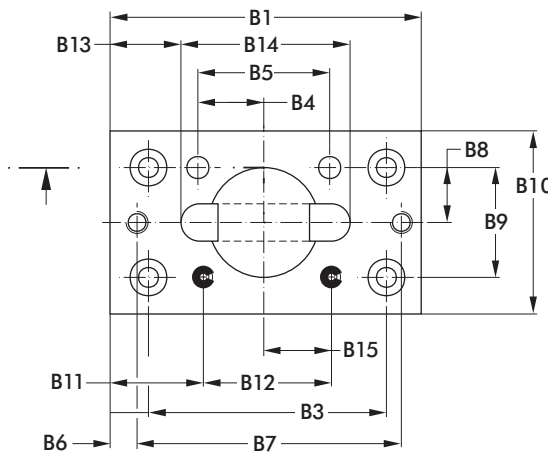
82P30-3/82P35-3 CENTERING PINS

Pneumatic Pin Clamp | Dimensions and Technical Specifications

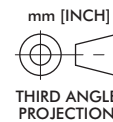
Centering Pin (has to be ordered separately)



Centering pin
(accessory part)



Locating pin clamp with
single-sided clamping
hook and centering pin



mm [INCH]
THIRD ANGLE
PROJECTION

Base locating clamp model	Order no.	ØD [-0.002] -0,05	ØD1	ØD2	ØD3 H7	ØD4	ØD5 H11	SR	L1	L2 [+0.004] +0,1	L3	L4	L5	L6	B	B1
82P30-320....	82P30-3-___.1)	[0.79-0.91] 20,0-23,0						[0.20] 5	[3.15] 80			[2.05] 52				
82P30-325....	82P30-3-___.1)	[0.91-1.10] 23,1-28,0	[0.22] 5.5	[0.39] 10	[0.24] 6	M6	[0.20] 5	[0.30] 7.5	[3.54] 90	[0.39] 10	[0.24] 6	[2.13] 54	[2.34] 59.5	[0.98] 25	[0.40] 10.2	[3.35] 85
82P30-330....	82P30-3-___.1)	[1.10-1.30] 28,1-33,0										[2.17] 55				
82P35-340....	82P35-3-___.1)	[1.30-1.77] 33,1-45,0						[0.31] 8	[4.02] 102	[0.47] 12		[2.68] 68	[2.89] 73.5	[1.18] 30	[0.48] 12.2	[3.54] 90

Base locating clamp model	Order no.	B2 [±0.004] ±0,1	B3 [±0.001] ±0,2	B4 [±0.0001] ±0,02	B5 [±0.0001] ±0,02	B6	B7 [±0.001] ±0,2	B8* [±0.001] ±0,025	B9* [±0.002] ±0,05	B10	B11 [±0.004] ±0,1	B12 [±0.004] ±0,1	B13	B14	B15 [±0.002] ±0,05
82P30-320....	82P30-3-___.1)														
82P30-325....	82P30-3-___.1)	[0.41] 10.5	[2.56] 65	[0.71] 18	[1.42] 36		[0.41] 10.5	[2.56] 65	[0.59] 15	[1.18] 30	[1.97] 50	[1.00] 25.5	[1.38] 35	[0.76] 19.4	[0.73] 18.5
82P30-330....	82P30-3-___.1)														
82P35-340....	82P35-3-___.1)	[0.75] 19	[2.40] 61				[0.28] 7	[2.99] 76	[0.79] 20	[1.57] 40	[2.36] 60	[1.22] 31	[1.46] 37	[0.63] 16	[0.83] 21

* Tolerance for dowel hole

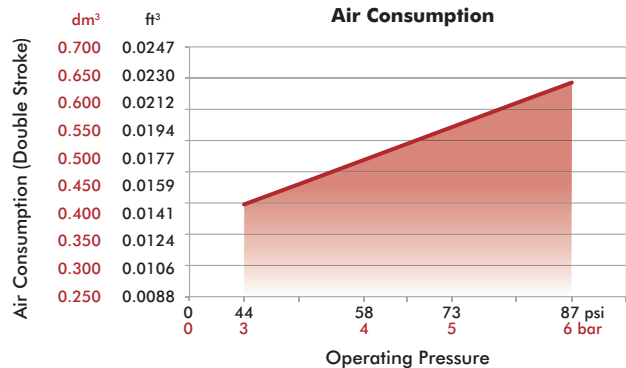
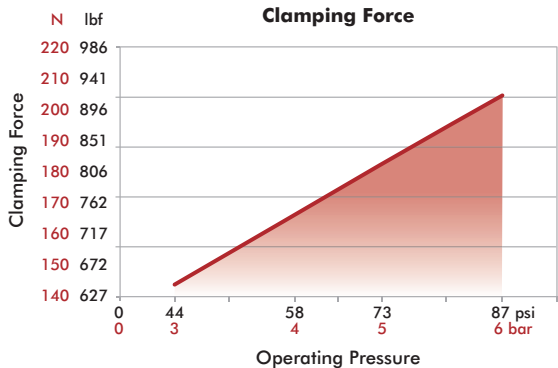
1) ___.1) = centering pin diameter "D"

Ordering example: To order the centering pin for locating pin clamp 82P30-325C000 with pin diameter "D" = 26.5 mm: "82P30-3-26.5"

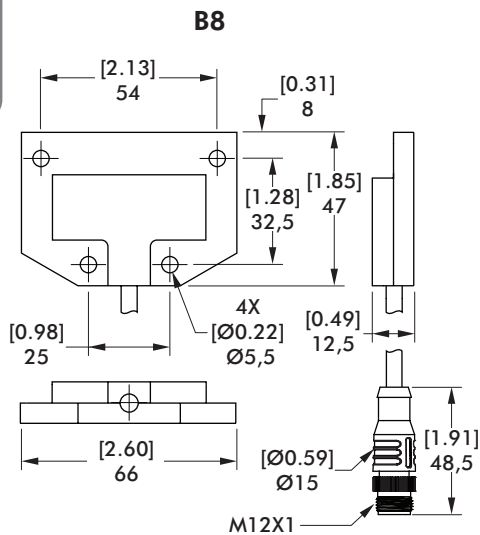
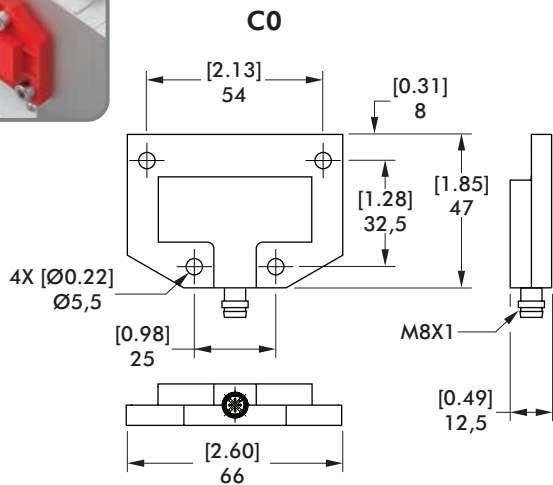
82P30-3/82P35-3 SENSORS

Pneumatic Pin Clamp | Dimensions and Technical Specifications

Clamping Force and Air Consumption

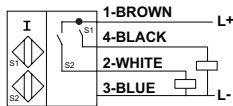
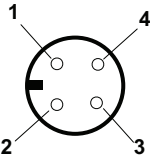


C0 and B8 Inductive Sensing Systems



Inductive Sensor Wiring Diagram

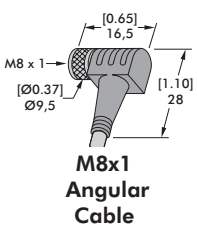
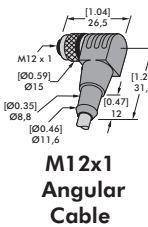
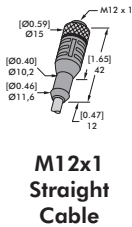
Sensing system immune to interference from A.C./D.C. arc welding.

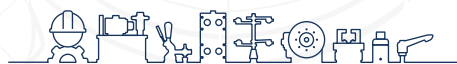


1-Common +
2-Open
3-Common -
4-Closed

Sensor Cable Accessories

Description	Order no.
B8 Sensor Cables (1 connector & 5 m cable)	
M12x1 connector, straight, 5-pin	8EL-002-1
M12x1 connector, 90° angular, 4-pin	8EL-003-1
C0 Sensor Cables (1 connector & 5 m cable)	
M8x1 connector, straight, 5-pin	8EL-009-1
M8x1 connector, 90° angular, 4-pin	8EL-007-1





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