PB Series Inductive Proximity Sensors



PBT-AN-1H PBT-AN-2H

Nickel-plated Brass - DC

- Low cost/high performance
- Twelve models available
- IP67 rated
- LED status indicators
- M12 quick-disconnect; order cable separately
- Lifetime warranty

			Basic Serie	s Inductive Pr	ox Selecti	on Chart		
Part Number	Price	Sensing Range	Housing	Output State	Logic	Connection	Wiring	Dimensions
M12 Models		· · · · · · · · · · · · · · · · · · ·						1
PBM-AN-1H	<>	2 mm (0.079 in)	Shielded		NPN	M12 (12 mm) connector	Diagram 1	
PBM-AP-1H	<>	2 11111 (0.079 111)	Sillelueu	N.O.	PNP	M12 (12 mm) connector	Diagram 2	Figure 1
PBM-AN-2H	<>	4 mm (0.157 in)	Unshielded	N.U.	NPN	M12 (12 mm) connector	Diagram 1	
PBM-AP-2H	<>	4 11111 (0.157 111)	Unamended		PNP	M12 (12 mm) connector	Diagram 2	
M18 Models								
PBK-AN-1H	<>	5 mm (0.197 in)	0.197 in) Shielded	N.O.	NPN	M12 (12 mm) connector	Diagram 1	
PBK-AP-1H	<>	5 mm (0.137 m)			PNP	M12 (12 mm) connector	Diagram 2	Figure 2
PBK-AN-2H	<>	8 mm (0.315 in)	Unshielded		NPN	M12 (12 mm) connector	Diagram 1	r igure z
PBK-AP-2H	<>	0 11111 (0.515 111)	Unamended		PNP	M12 (12 mm) connector	Diagram 2	
M30 Models								
PBT-AN-1H	<>	10 mm (0.394 in)	Shielded		NPN	M12 (12 mm) connector	Diagram 1	- Figure 3
PBT-AP-1H	<>	10 11111 (0.394 111)	Shielded	N.O.	PNP	M12 (12 mm) connector	Diagram 2	
PBT-AN-2H	<>	15 mm (0.590 in)	Unshielded	N.U.	NPN	M12 (12 mm) connector	Diagram 1	
PBT-AP-2H	<>	13 11111 (0.390 111)	Unantelueu		PNP	M12 (12 mm) connector	Diagram 2	

Wiring diagrams

Diagram 1

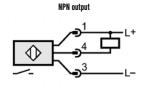
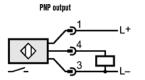


Diagram 2



Cable Assembly Wiring Colors: Pin 1 - Brown Pin 3 - Blue Pin 4 - Black

M12 Connector



other HMI Drives Soft Starters

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Systems Overview

Field I/O

Software

C-more &

Programmable Controllers

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Sensors

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Process

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Terminal Blocks & Wiring

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Pneumatics

Appendix

Product

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Part # Index

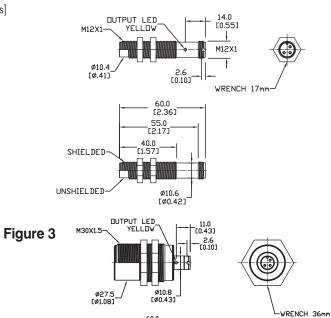
PB Series Inductive Proximity Sensors

Specifications	M12 N	lodels	M18 M	lodels	M30 I	Nodels		
Туре	Shielded	Unshielded	Shielded	Unshielded	Shielded	Unshielded		
Operating Distance	2 mm (0.079 in)	4 mm (0.157 in)	5 mm (0.197 in)	8 mm (0.315 in)	10 mm (0.394 in)	15 mm (0.590 in)		
Material Correction Factors		See Material Influence table #2 later in this section.						
Switch-point Drift		-10 to 10% Sr						
Hysteresis		1 to 20% Sr						
Operating Voltage			15 to 3	0 VDC				
Current Consumption			<15	mA				
Load Current		100 mA						
Short-circuit Protection		Yes, pulsed						
Reverse Polarity Protection		Yes						
Overload Protection	Yes							
Voltage Drop	<2.5 V							
Output Type	NPN or PNP, N.O. only							
Leakage Current	<0.1 mA							
Switching Frequency	800Hz		400Hz	300Hz	20	0Hz		
Temperature Range (Operating)	-25° to 70°C (-13° to 158°F)							
Protection Degree (DIN 40050)	IEC IP67							
Shock Resistance	IEC 60947-5-2 part 7, 4 ,2							
Vibration Resistance	IEC 60947-5-2 part 7, 4 ,1							
Agency Approvals	cULus file E328811, CE, RoHS							
LED Indicators I Switching Status	Yellow (output energized)							
Housing Material		ŀ	lousing: brass, nickel-	plated; Lock nuts: bras	S			
Sensing Face Material			Polybutylene Ter	ephthalate (PBT)				
Tightening Torque	7.0 Nm (5	.16 lb./ft.)	35.0 Nm (25.8 lb./ft.)	50.0 Nm (36.8 lb./ft.)			
Weight	1.70 g (l	0.06 oz)	2.83 g (0.10 oz)	8.50 g (0.30 oz)	5.70 g (0.20 oz)		
Connectors			M12 connector. 2	lock nuts included				

Dimensions

mm [inches]

Figure 1



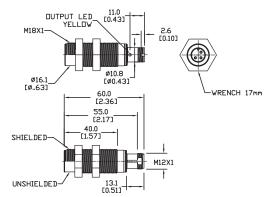
_____60.0 [2.36] _____55.0 ____ [2.17] ____40.0 _____ [1.57]

M12X1

SHIELDED-

UNSHIELDED-

Figure 2



Cables with auick-disconnect plugs

- Industry standard axial and right-angle M8/M12 screw-lock connectors with open leads. The cables listed can be used with patch cables
- 2m, 5m, 7m and 10m cable lengths
- PVC (polyvinyl chloride) jacket for typical industrial applications
- PUR (polyurethane) jacket for oily and direct sunlight applications
- IP67 rated

	M8 Q	uick-Dis	connect	Cables (Pic	o, Nan	0)	
Part Number	Price	Length	Poles	Connector	LED	Jacket	Dimensions
M8 Quick-Disconnec	ts						1
CD08-0A-020-A1	<>	2m (6.5ft.)	3	Axial	No	PVC	Figure 1
CD08-0A-020-C1	<>	2m (6.5ft.)	3	Right-angle	No	PVC	Figure 2
CD08-0A-050-A1	<>	5m (16.4ft.)	3	Axial	No	PVC	Figure 4
CD08-0C-050-A1	<>	5m (16.4ft.)	3	Axial	No	PUR	Figure 3
CD08-0A-050-C1	<>	5m (16.4ft.)	3	Right-angle	No	PVC	Figure 5
CD08-0C-050-C1	<>	5m (16.4ft.)	3	Right-angle	No	PUR	Figure 5
CD08-0A-070-A1	<>	7m (23ft.)	3	Axial	No	PVC	Figure 1
CD08-0A-070-C1	<>	7m (23ft.)	3	Right-angle	No	PVC	Figure 2

M12 Qui	ck-Dis	connect (Cables (Euro, Micro	DC-Si	n <mark>gle Key</mark>)	
Part Number	Price	Length	Poles	Connector	LED	Jacket	Dimensions
M12 Quick-Disconnect	S						
CD12L-0B-020-A0	<>	2m (6.5ft)	4	Axial	No	PVC	Figure 6
CD12L-0B-020-C0	<>	2m (6.5ft)	4	Right-angle	No	PVC	Figure 7
CD12M-0B-050-A1*	<>	5m (16.4ft)	3	Axial	No	PVC	Figure 8
CD12M-0D-050-A1*	<>	5m (16.4ft)	3	Axial	No	PUR	Figure 9
CD12M-0B-050-C1*	<>	5m (16.4ft)	3	Right-angle	No	PVC	Figure 10
CD12M-0D-050-C1*	<>	5m (16.4ft)	3	Right-angle	No	PUR	Figure 11
CD12M-0B-070-A1	<>	7m (23ft)	4	Axial	No	PVC	Figure 6
CD12M-0B-070-C1	<>	7m (23ft)	4	Right-angle	No	PVC	Figure 7
* Note: Do not use with: DI require 4-pole cabl	, , ,	X, SS, SSF, S	SU, TU, VN	I, VK, MV, MS or	MSF sei	ries sensors	. These sensors

Cables with LED and quick-disconnect plugs

 Industry standard M12 right angle female plug with open leads

2m (6.5ft)

5m (16.4ft)

10m (32.8ft)

- These cables can be used with patch cables
- 2m, 5m and 10m cable lengths

<--->

<--->

<--->

Part Number Price

EVC178*

EVC179*

EVC180*

M12 Quick-Disconnects

• PUR (polyurethane) jacket for oily and
direct sunlight applications

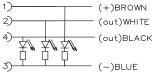
- IP67 / IP68 / IP69K, II rated
- LED indication for 10 -36 VDC PNP sensors only

Figure 12

Figure 12

Figure 12

cket for typical	
Dimensions	•
Figure 1	
Figure 2	
Figure 4 Figure 3	
Figure 3	
Figure 5	
Figure 1	•
Figure 2	_
riguio 2	
)	
Dimensions	
Dimensions	
Figure 6	
Figure 7	CD12M-0B-050-C1 and -A1 shown
Figure 8	
Figure 9	
Figure 10	
Figure 11	
Figure 6	
Figure 7	
s. These sensors	
or oily and OC PNP sensors bla Pin	white wire Pin 2 ck wire
LED Mode	(+)BROWN 2-VHITE (out)WHITE (out)BLACK 1-BROWN 4-BLACK



PNP-NORMALLY OPEN

Lights Process Relays/ Timers Comm Terminal Blocks & Wiring Power Circuit Protection Enclosures Tools Pneumatics Appendix Product Index Part # Index

*Note: LED for 10 to 36 VDC PNP only Do not use when white wire (Pin 2) is used for selection of a sensor function.

4

4

4

M12 Quick-Disconnect Cables with LED Indicator

(Euro, Micro DC-Single Key)

Length Poles Connector LED Jacket Dimensions

Yes

Yes

Yes

Right-angle

Right-angle

Right-angle

PUR

PUR

PUR

e18-69 Sensors

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Drives

Soft Starters

Motors & Gearbox

Steppers/ Servos

Motor Controls

Sensor

Photo Sensors

Limit Switches

Encoders

Current Sensors Pressure

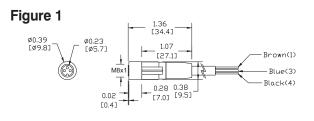
Sensors Temperature

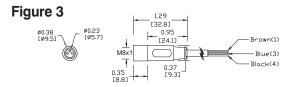
Sensors Pushbuttons/

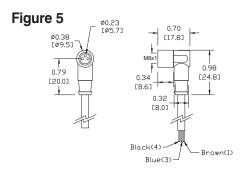
			Cable Speci	fications			
Specification			M8 M12			M12 with LED	
Length		2m (6.5ft) / 7m (23ft)	5m (16.4ft)	2m (6.5ft) / 7m (23ft)	5m (16.4ft)	2m (6.5 ft) / 5m (16.4ft) / 10m (32.8ft)	
Nominal V	oltage	50VAC/75VDC	60VAC/DC	300VAC	250VAC/DC	10 to 36VDC	
Max Curre	nt		4A		4A	4A	
LED Currei	nt Loading	N/A	N/A	N/A	N/A	10V input Brown wire LED: 1.7mA White and/or Black LED: 0.9mA 36V input Brown wire LED: 7.3mA White and/or Black LED: 4.7mA	
Protection	Degree	IP67	IP65 / IP68 / IP69K	IP67	PVC: IP68 PUR: IP68 / IP69K	IP67 / IP68 / IP69K	
Material Nut		brass; r	nickel plated	brass; r	nickel plated	brass; nickel plated	
Jacket Material		PVC	PVC:CD08-0A-xxx. PUR:CD08-0C-xxx	PVC	PVC:CD12M-0B-xxx. PUR:CD12M-0D-xxx	PUR	
Housing M	laterial		PUR		PUR	PUR	
Contacts Material		Copper-Tin Alloy (CuSn) -gold plated		Copper-Tin Alloy	/ (CuSn) -gold plated	Gold plated brass	
Tightening	Torque	0.5 Nm	\leq 0.4 Nm	0.5 Nm	\leq 0.4 Nm	0.6 to 1.5 Nm	
Conductors	s Cross Section (AWG)	0.25mm ² (24 AWG)	0.25mm ² (24 AWG)	0.25mm ² (24 AWG)	0.34mm ² (22 AWG)	4 x 0.34mm ² (4 x 22 AWG)	
Ø Outer Cable		5mm	PVC: 4 mm PUR: 4 mm	5mm	PVC: 4.2 mm PUR: 4.3 mm	5mm	
Temperature Range		-25° to +80°C (-13° to 176°F)	-25° to 90°C (-13° to 194°F)	-25° to +80°C (-13° to 176°F)	PVC: -30° to 70°C (-22° to 158°F) PUR: -50° to 90°C (-58° to 194°F)	-25° to +90°C (-13° to 194°F)	
Environme		N/A	Halogen free, Silicone free	N/A	Halogen free, Silicone free	Halogen free, Silicone free	
	isplay Power LED	N/A	N/A	N/A	N/A	Green	
	Status LED	N/A	N/A	N/A	N/A	2 x Yellow	
n Ie Ility	Bending Radius			min. 10 x cal	ole diameter		
Cab Cab	Bending Cycles	N/A	N/A	N/A	N/A	>5 million	
Drag Chain (Roller Cable Tray) Suitability	Travel Speed	N/A	N/A	N/A	N/A	Max. 3.3 m/s for a horizontal travel length of 5 meters and max. acceleration of 5 m/s ²	
Ta	Torsional Strain	N/A	N/A	N/A	N/A	±180°/m	
Agency Ap	provals		Ro	HS		UL File E191684, RoHS	

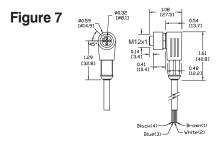
Part Number	UL Reference Mini-Series Female Cord Connectors Series M12, UL Catalog Number
EVC178	ADOAH043MSS0002H04
EVC179	ADOAH043MSS0005H04
EVC180	
	vn in UL file under Mini-series Female Connectors using catalog number

Dimensions (in/mm)

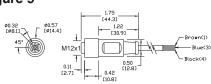


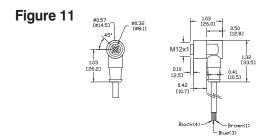












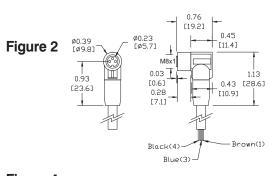


Figure 4

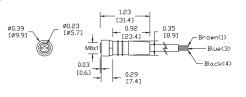


Figure 6

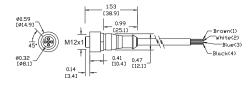


Figure 8

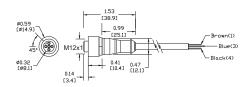


Figure 10

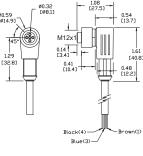


Figure 12



Company Information

Systems Overview

Programmable Controllers

Field I/O Software

C-more & other HMI

Drives Soft Starters

Motors &

Gearbox Steppers/ Servos

01103

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Patch cables with quickdisconnect plugs on each end

- Available patch cables include:
- Industry standard M8 and M12 screw-lock connectors
- One male and one female connector
- Axial and right-angle connector models
- 1m and 3m cable lengths
- PVC (polyvinyl chloride)jacket for typical industrial applications
- IP67 rated

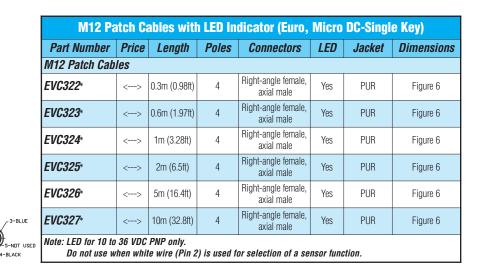
Part Number	Price	Length	Poles	Connectors	Jacket	Dimension
M8 Quick-Disconnect	Patch	Cables				
<i>CDP08-0A-010-AA</i>	<>	1m (3.28ft)	3	2 Axial. One male and one female connector	PVC	Figure 1
<i>CDP08-0A-010-BB</i>	<>	1m (3.28ft)	3	2 Right-angle. One male and one female connector	PVC	Figure 3
<i>CDP08-0A-030-AA</i>	<>	3m (9.84ft)	3	2 Axial. One male and one female connector	PVC	Figure 2
CDP08-0A-030-BB	<>	3m (9.84ft)	3	2 Right-angle. One male and one female connector	PVC	Figure 3



Part Number	Price	Length	Poles	Connectors	Jacket	Dimensions
M12 Quick-disconnect	t Patch	Cables				
CDP12-0B-010-AA	<>	1m (3.28ft.)	4	2 Axial. One male and one female connector	PVC	Figure 4
CDP12-0B-010-BB	<>	1m (3.28ft.)	4	2 Right-angle. One male and one female connector	PVC	Figure 5
CDP12-0B-030-AA	<>	3m (9.84ft.)	4	2 Axial. One male and one female connector	PVC	Figure 4
CDP12-0B-030-BB	<>	3m (9.84ft.)	4	2 Right-angle. One male and one female connector	PVC	Figure 5

Patch Cables with LED

- Available patch cables with LED include:
- Right-angle M12 female plug with LED indication on one end and axial male plug on the other end
- 0.3m, 0.6m, 1m, 2m, 5m, and 10m cable lengths
- PUR (polyurethane) jacket for oily and direct sunlight applications
- IP67 / IP68 / IP69K, II rated
- LED indication for 10 -36 VDC PNP sensors only

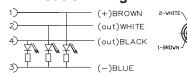






black wire Pin 4

LED Models' Wiring



PNP-NORMALLY OPEN

		Cable Spec	ifications		
Specification	M8	M12	M12 with LED		
Length	1m (3.28ft.)	/ 3m (9.84ft.)	0.3m (0.98ft) / 0.6m (1.97ft) / 1m (3.28ft) 2m (6.5ft) / 5m (16.4ft) / 10m (32.8ft)		
Nominal Voltage	60 VAC/DC	250 VAC/DC	10 to 36VDC		
Max Current	4	A	4A		
LED Current Consumption	N	/A	10V input Brown wire LED: 1.7mA White and/or Black LED: 0.9mA 36V input Brown wire LED: 7.3mA White and/or Black LED: 4.7mA		
Protection Degree	IEC IP67		IEC IP67/IP68/IP69K		
Material Nut	Brass: nickel plated		Brass: nickel plated		
Jacket Material	P	VC	PUR		
Housing Material	PUR		Connector: Orange PUR, Socket: Black PUR		
Contacts Material	Copper-tin(CuSn)=Brass	Brass; gold plated		
Conductors Cross Section (AWG)	0.34mm ²		0.34mm ² (22 AWG)		
Tightening Torque	0.5 Nm		Plug: 0.6 to 1.5 Nm (take into account the maximum value of the counterpart) Socket: 0.6 to 1.5 Nm		
Ø Outer Cable	5mm		5mm		
Temperature Range	-25° to +70°C (-13° to 158°F)		-25° to +90°C (-13° to 194°F)		
Function Display LED	N/A		Green		
Switching Status LED	N	/A	2 x Yellow		
္ ခ 🔄 Bending Radius			min. 10 x cable diameter		
Bending Cycles			>5 million		
Drad Chain Drad Chain Bending Cycles Travel Speed Torsional Strain	N	/A	Max. 3.3 m/s for a horizontal travel length of 5 m and max. acceleration of 5 m/s ²		
Torsional Strain	N	/A	±180°/m		
Agency Approvals	Rc	HS	UL File E191684, RoHS		

Part Number	Cable Assemblies Series M12, UL Catalog Number
EVC322	VDOAH043MSS00.3H04STGH040MSS
EVC323	VDOAH043MSS00.6H04STGH040MSS
EVC324	VD0AH043MSS0001H04STGH040MSS
EVC325	VDOAH043MSS0002H04STGH040MSS
EVC326	VD0AH043MSS0005H04STGH040MSS
EVC327	VDOAH043MSS0010H04STGH040MSS

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Automa

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Motors & Gearbox

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Appendix

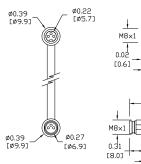
Product

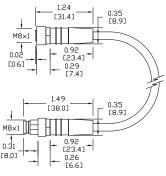
Product Index

Part # Index

Dimensions (in/mm)

Figure 1





1.09

[27.8]

1.09

[27.8]

0.45 [11.4]

Figure 2

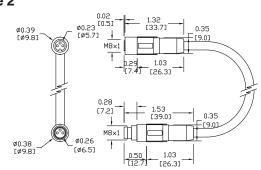


Figure 4

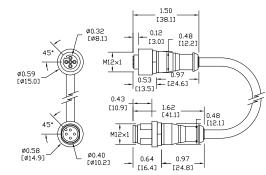


Figure 3

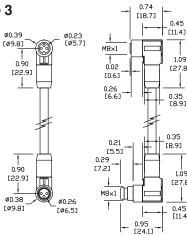


Figure 5

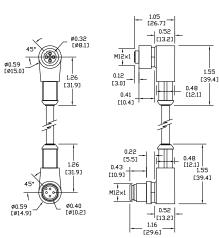
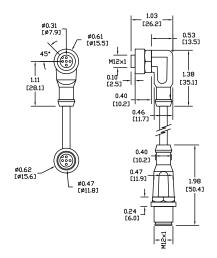


Figure 6



Volume 13 e18-74 Sensors

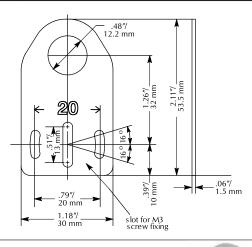
Accessories: Adapter, Mounting Brackets

ST12A axial bracket

For mounting M12 (12 mm) sensors. Has two mounting holes (use 3 mm screws) and allows the rotation of an optical axis for right-beam angle adapter sensors. Hexagonal nuts not included.



		Brackets
Part Number	Price	Description
ST12A	<>	Metal axial bracket for 12 mm sensors, 1/pk
ST12A7W	<>	316L stainless steel axial bracket for 12 mm sensors, 1/pk

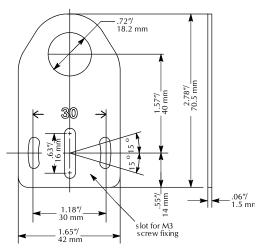


ST18A axial bracket

Mounting bracket for M18 (18 mm) sensors. Has two mounting holes (use 4 mm screws) and allows the rotation of an optical axis for right-beam-angle-adapter sensors. Hexagonal nuts not included.



Brackets		
Part Number	Price	Description
ST18A	<>	Metal axial bracket for 18 mm sensors, 1/pk
ST18A7W	<>	316L stainless steel axial bracket for 18 mm sensors, 1/pk

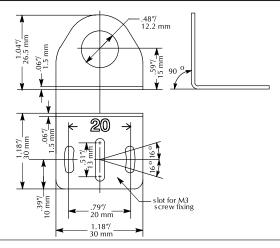


ST12C right-angle bracket

Angular mounting bracket for use with M12 (12 mm) sensors. Has two mounting holes (use 3 mm screws) and allows the rotation of an optical axis for axial sensors. Hexagonal nuts not included.



Brackets		
Part Number	Price	Description
ST12C	<>	Metal right angle bracket for 12 mm sensors, 1/pk
ST12C7W	<>	316L stainless steel right angle bracket for 12 mm sensors, 1/pk

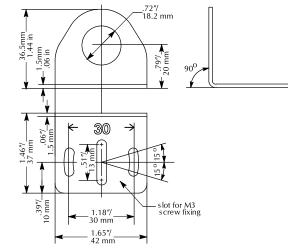


ST18C right-angle bracket

Angular mounting bracket for M18 (18 mm) sensors. Has two mounting holes (use 4 mm screws) and allows the rotation of an optical axis for axial sensors. Hexagonal nuts not included.



Brackets		
Part Number	Price	Description
ST18C	<>	Metal right angle bracket for 18 mm sensors, 1/pk
ST18C7W	<>	316L stainless steel right angle bracket for 18 mm sensors, 1/pk



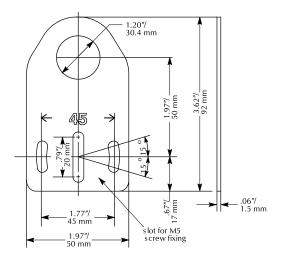
Accessories: Mounting Brackets

ST30A axial bracket

Mounting M30 (30 mm) sensors. Has two mounting holes (use 5 mm screws) and allows the rotation of an optical axis for right-beam-angle-adapter sensors. Hexagonal nuts not included.



Brackets		
Part Number	Price	Description
ST30A	<>	Metal axial bracket for 30 mm sensors, 1/pk

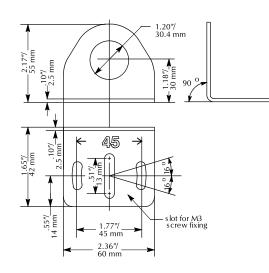


ST30C right-angle bracket

Angular mounting bracket for M30 (30 mm) sensors. Has two mounting holes (use 5 mm screws) and allows the rotation of an optical axis for axial sensors. Hexagonal nuts not included.



Brackets		
Part Number	Price	Description
ST30C	<>	Metal right angle bracket for 30 mm sensors, 1/pk



Lineal

Company Information

Systems Overview

Programmable

Field I/O

Software

C-more & other HMI

Drives Soft Starters

Stallels

Motors & Gearbox

Steppers/ Servos

Motor Controls

> Proximity Sensors

Photo Sensors

Limit Switches

Encoders

Current Sensors

Pressure Sensors

Temperature Sensors

Pushbuttons/ Lights

Process

Relays/ Timers

Comm.

Terminal Blocks &

Wiring

.

Circuit Protection

Enclosures

Tools

Pneumatics

Appendix

Product Index

We sell good proximity sensors at great prices – and we back them up!

AutomationDirect Lifetime Warranty

Registration required

For inductive proximity sensors sold to the Original User for the lifetime of the original application.

The following terms apply to the LIFETIME WARRANTY in addition to the General Terms:

1. This warranty is available only to AUTOMATION DIRECT's authorized Value Added Resellers and to the Original User. In the event the ownership of the product is transferred to a person, firm, or corporation other than the Original User, this WAR-RANTY shall terminate.

2. This WARRANTY is applicable only to the original installation of the product. In the event the machinery, equipment, or production line to which the product is connected, or on which it is installed, is substituted, changed, moved or replaced, the WARRANTY shall terminate.

3. This WARRANTY shall be valid only if the product was purchased by the Original User from AUTOMATIONDIRECT, or from an authorized AUTOMATIONDIRECT Value Added Reseller, or was an integral part of a piece of machinery and equipment obtained by the Original User from an original equipment manufacturer, where the part was purchased by the original equipment manufacturer directly from AUTOMATIONDIRECT or from an authorized AUTOMATIONDIRECT Value Added Reseller.

Purchaser's remedies

remedy shall apply to This all WARRANTIES. If an AUTOMATIONDIRECT Value Added Reseller desires to make a WARRANTY claim, the Value Added by Reseller shall, if requested AUTOMATION DIRECT, ship the product to AUTOMATIONDIRECT's facility in Cumming, GA postage or freight prepaid. If the Original User desires to make a WARRANTY Claim, they shall notify the authorized Value Added Reseller from whom it was purchased or, if purchased directly from AUTOMATIONDIRECT, shall notify AUTOMATIONDIRECT and, if requested by AUTOMATIONDIRECT, ship the Product to AUTOMATIONDIRECT's facility in Cumming, GA postage or freight prepaid. AUTOMATIONDIRECT shall, at its option, take any of the following two courses of action for any products which AUTOMATION DIRECT determines are defective in materials or workmanship.

1. Repair or replace the product and ship the product to the Original User or to the authorized AUTOMATION DIRECT Value Added Reseller, postage or freight prepaid; or

2.-Repay to the Original User that price paid by the Original User; provided that if the claim is made under the lifetime warranty, and such product is not then being supplied by AUTOMATIONDIRECT, then the amount to be repaid by AUTOMATIONDIRECT to the Original User shall be reduced according to the following schedule:

Number of Years Since Date of Purchase by Original User	Percent of Original Purchase Price To Be Paid by AutomationDirect
10	50 percent
15	25 percent
20	10 percent
More than 20	5 percent

REMEDIES OF PURCHASER'S AND VALUE ADDED RESELLERS SHALL BE LIMITED EXCLUSIVELY TO THE RIGHT OF REPLACEMENT, REPAIR OR REPAY-MENT AS PROVIDED ABOVE AND DOES NOT INCLUDE ANY LABOR COST OR REPLACEMENT AT ORIGINAL USER'S SITE. AUTOMATIONDIRECT.COM SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF ANY WARRANTY, EXPRESSED OR IMPLIED, APPLICABLE TO THE PRODUCT, INCLUDING WITHOUT LIMITA-TION, ANY DAMAGES RESULTING FROM PROPERTY DAMAGE, PERSONAL INJURY OR BUSINESS INTER-RUPTION, EVEN IF NOTIFIED OF THE POSSIBILITY OF SUCH DAMAGES.

Inductive proximity sensors warranty form may be obtained online at: http://www.automationdirect.com/static/specs/proxwarranty.pdf

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ensors