## **CONTRINEX**) C23 Rectangular Photoelectric **Sensors**

#### **Overview**



Whatever the application, C23 series sensors meet its highest demands. Their miniature size (20 x 30 x 10 mm), first-class sensing ranges and practical accessories are ideal for limited spaces. Housings have an IP67 enclosure rating and are ECOLAB-approved for use in hygienic areas. Versions with background suppression and pinpoint LED ensure high reliability and extended detection ranges. Versatile mounting brackets ensure ease of installation. All PNP types include IO-Link communication.

#### 20 x 30mm plastic – DC

- · Diffuse with background suppression, diffuse reflective, retroreflective, throughbeam styles
- Axial cable or M8 guick-disconnect models; purchase cable separately
- Complete overload protection
- IP67 rated
- 2-year warranty
- IO-Link v1.0 [PNP and emitters units only]





#### LHR-C23PA-PMS-603

		C23 R	ectangula	ar Plastic	Photo	electric Ser	isors		
Part Number	Price	Operating Range <sup>1</sup>	Switching Frequency	Light Type	Logic	Output Function	Connection Type	Wiring	Drawing Link
Diffuse with adjustable background suppression - Potentiometer									
LHR-C23PA-PMK-603	\$39.50		1000 Hz	Pinpoint LED Red 640nm	PNP	Complementary Light-on / Dark-on	4-wire, 2m [6.5 ft] cable	2	PDF
LHR-C23PA-PMK-101	\$39.50	15 to 250 mm			NPN		4-wire, 2m [6.5 ft] cable	1	PDF
LHR-C23PA-PMS-603	\$39.50	[0.59 to 9.84 in]			PNP		4 wire, 4-pin M8 quick-disconnect	2	PDF
LHR-C23PA-PMS-101	\$39.50				NPN		4-wire, 4-pin M8 quick-disconnect	1	PDF
Diffuse with adjustable bac	kground s	uppression - Teach	-in button						
LHR-C23PA-TMK-603	\$39.50		1000 Hz		PNP	Complementary Light-on / Dark-on	4-wire, 2m [6.5 ft] cable	2	PDF
LHR-C23PA-TMK-101	\$39.50	15 to 250 mm		Pinpoint LED	NPN		4-wire, 2m [6.5 ft] cable	1	PDF
LHR-C23PA-TMS-603	\$39.50	[0.59 to 9.84 in]		Red 640nm	PNP		4-wire, 4-pin M8 quick-disconnect	2	PDF
LHR-C23PA-TMS-101	\$39.50				NPN		4-wire, 4-pin M8 quick-disconnect	1	PDF
Diffuse Reflective									
LTR-C23PA-PMK-603	\$32.00		1.5 kHz	LED, Red 630nm	PNP	Complementary Light-on / Dark-on	4-wire, 2m [6.5 ft] cable	2	PDF
LTR-C23PA-PMK-101	\$32.00	5 to 1200 mm [0.19 to 47.24 in]			NPN		4-wire, 2m [6.5 ft] cable	1	PDF
LTR-C23PA-PMS-603	\$32.00				PNP		4-wire, 4-pin M8 quick-disconnect	2	PDF
LTR-C23PA-PMS-101	\$32.00				NPN		4-wire, 4-pin M8 quick-disconnect	1	PDF
*Retroreflective									
LRR-C23PA-NMK-603	\$35.00		1.5 kHz	LED, Red 630nm	PNP	Complementary Light-on / Dark-on	4-wire, 2m [6.5 ft] cable	2	PDF
LRR-C23PA-NMK-101	\$35.00	30 to 6000 mm			NPN		4-wire, 2m [6.5 ft] cable	1	PDF
LRR-C23PA-NMS-603	\$35.00	[1.18 to 236.22 in]			PNP		4-wire, 4-pin M8 quick-disconnect	2	PDF
LRR-C23PA-NMS-101	\$35.00				NPN		4-wire, 4-pin M8 quick-disconnect	1	PDF
*Purchase reflector separate	ely								
Through-beam Emitters									
LLR-C23PA-NMK-400	\$21.00	25m	1 kHz	LED, Red 630nm	N/A	N/A	3-wire, 2m [6.5 ft] cable	3	PDF
LLR-C23PA-NMS-400	\$21.00	[82.02 ft]			N/A	N/A	3-wire, 3-pin M8 quick-disconnect	3	PDF
Through-beam Receivers									
LLR-C23PA-NMK-603	\$28.00				PNP		4-wire, 2m [6.5 ft] cable	2	PDF
LLR-C23PA-NMK-101	\$28.00	25m	1 kHz	LED, Red 630nm	NPN	Complementary	4-wire ,2m [6.5 ft] cable	1	PDF
LLR-C23PA-NMS-603	\$28.00	[82.02 ft]			PNP	Light-on / Dark-on	4-wire,4-pin M8 quick-disconnect	2	PDF
LLR-C23PA-NMS-101	\$28.00				NPN		4-wire, 4-pin M8 quick-disconnect	1	PDF
<sup>1</sup> Object with 90% reflectance	o (standar	d white nanor)							

<sup>1</sup>Object with 90% reflectance (standard white paper)

Warning: These products are not safety sensors and are not suitable for use in personal safety applications.

For the latest prices, please check AutomationDirect.com.

### 1-800-633-0405 For the latest prices, please check Au C23 Rectangular Photoelectric Sensors

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Diskapcion Diskapcion   Bensing Distance 1 10 to 250mm (0.11 to 47.24 in) (0.39 to 9.84 in) (0.11 to 47.24 in) (0.11 to 47.24 in) (0.12 to 314.96 in) (0.12	C23 2	0 x 30mm Plastic Phot	oelectric Sensors	Specifications				
Jearsing Distance '     [0.39 to 9.84 in]     [0.11 to 47.24 in]     [0.78 to 314.96 in]     [10 to 88.43 fi]       ight Spot Diameter (Distance)     6mm [100mm]     16mm [500mm]     30mm [1m]     13mm [300mm]     11mm [300mm]     12mm [4m]     300mm [1m]     12mm [4m]     30mm [1m]	Sensor type		Diffuse Reflective	Retroreflective	Through-beam			
Light Spot Diameter (Distance) 0 mini (Lonini) 10 min (200 min) 13 mini (100 min) 12 mini (100 min) 120 min (100 min)   Emission Properting Construction 10 min (200 min) 30 to 1500 mm, 30 to 1500 mm, 3	Sensing Distance <sup>1</sup>							
Potentiometer models: 30 to 300 mm, 3/4 turn pot (PM) Teach-in button models: 30 to 300 mm, teach button (TM)   30 to 1500 mm, 3/4 turn pot   via IO-Link Only     Dutput Types   NPN or PNP     Operating Voltage   10-30 VDC     40 Load Supply Current   ≤ 30mA   ≤ 15mA   ≤ 7 mA (emitter) ≤ 9 mA (receiver)     Operating (Load) Current   ≤ 30mA   ≤ 15mA   ≤ 7 mA (emitter) ≤ 9 mA (receiver)     Operating (Load) Current   ≤ 500 µs (normal) ≤ 1ms / ≤ 260 µs   ≤ 15m / ≤ 100 µs   ≤ 500 µs (normal) ≤ 1 ms / ≤ 260 µs   ≤ 15m / ≤ 260 µs     Switching Frequency 2   ≤ 500 µz (normal) ≤ 500 Hz / ≤ 1.5 kHz   ≤ 1.5 kHz (normal) ≤ 500 Hz / ≤ 1.5 kHz   ≤ 500 µz (sormal) ≤ 1 ms / s 260 µs     Switching Frequency 2   ≤ 1.6 kHz (normal) ≤ 500 Hz / ≤ 1.5 kHz   ≤ 1.0 %Vpp   ≤ 1.0 %Vpp     Voltage Reversal Protection   Yes   Sonor-circuit Protection   Yes     Short-circuit Protection   Yes   Poperating Temperature   -25 to 65°C [-13 to 149°F]     Protection Degree   IP67   ED Indicators - Switching Status   Green LED: excess gain; yellow LED sensing state     fotskerial   PMMA - Poly (methyl methacrylate)   Shock/Vibration   IEC 60947-5-2     ED Indicators - Switching Status   0.2 Nm [0.14 lb th]   6g [0.21 ca] Connec	Light Spot Diameter (Distance)				120mm [4m]			
Sensitivity 30 to 300 mm, 34 tum pot (PM) Teach-in button models: 30 to 300 mm, teach button (TM) 30 to 1500 mm, 34 tum pot via IO-Link Only   Dutput Types NPN or PNP   Deparating Voltage 10-30 VDC   Io Load Supply Current ≤ 30mA   Operating (Load) Current ≤ 300 mm, 14 tum pot   Seponse Time 2 ≤ 500 µs (normal) ≤ 15mk ≤ 7 mA (emitter) ≤ 9 mA (receiver)   Switching Frequency 2 ≤ 500 µs (normal) ≤ 1 kHz (normal) ≤ 500 Hz / ≤ 1.5 kHz (normal) ≤ 500 Hz / ≤ 5 kHz	Emission	Pinpoint LED, red 640nm	LED, Red 630nm					
Operating Voltage   10-30 VDC     Io Load Supply Current   ≤ 30mA   ≤ 15mA   ≤ 7 mA (emitter) ≤ 9 mA (receiver)     Operating (Load) Current   ≤ 100 mA   ≤ 100 mA     Response Time <sup>2</sup> ≤ 500 µs (normal) ≤ 1ms / ≤ 340 µs   ≤ 340 µs (normal) ≤ 1 ms / ≤ 250 µs   ≤ 500 µs (normal) ≤ 1 ms / ≤ 250 µs     Switching Frequency <sup>2</sup> ≤ 1 kHz (normal) ≤ 500 Hz / ≤ 1.5 kHz   ≤ 1.5 kHz (normal) ≤ 500 Hz / ≤ 1.5 kHz   ≤ 10%Vpp     Switching Frequency <sup>2</sup> ≤ 1 kHz (normal) ≤ 500 Hz / ≤ 1.5 kHz   ≤ 10%Vpp   ≤ 10%Vpp     Voltage Reversal Protection   Yes   Short-circuit Protection   Yes     Operating Temperature   -25 to 65°C (-13 to 149°F]   Protection Degree   IP67     LED Indicators - Switching Status   Green LED: excess gain; yellow LED sensing state   ABS - Acrytonitrile Butadiene Styrene     Lens Material   PMMA - Poly (methyl methacrylate)   IEC 60947-5-2   Ifghtening Torque     Weight   6[0.21 cg] Connector version 42g [1.48 oz] Cable version   42g [1.48 oz] Cable version 42g [1.48 oz] Cable version     O-Link   IO-Link v1.0, PNP and Emitter units only   PVC, 2m [65 ff] 3-wire or 4-wire; M8 3-pin or 4-pin connector	Sensitivity	30 to 300 mm, 3/4 turn pot (PM) Teach-in button models:		via IO-	Link Only			
No Load Supply Current   ≤ 30mA   ≤ 15mA   ≤ 7 mA (emitter) ≤ 9 mA (receiver)     Operating (Load) Current   ≤ 100 mA      Response Time <sup>2</sup> ≤ 500 µs (normal) ≤ 1ms / ≤ 340 µs   ≤ 100 mA     Switching Frequency <sup>2</sup> ≤ 10 kHz (normal) ≤ 1 kHz (normal)   ≤ 1.5 kHz (normal)     switching Frequency <sup>2</sup> ≤ 1 kHz (normal)   ≤ 1.5 kHz (normal)     soll L2 / S 500 HZ / S 1.5 kHz   ≤ 10%Vpp     Voltage Reversal Protection   Yes     Short-circuit Protection   Yes     Operating Temperature   -25 to 65°C [-13 to 149°F]     Protection Degree   IP67     LED Indicators - Switching Status   Green LED: excess gain; yellow LED sensing state     dousing Material   ABS - Acrylonitrile Butadiene Styrene     Lens Material   PMMA - Poly (methyl methacrylate)     Shock/Vibration   IEC 60947-5-2     Tightening Torque   0.2 N×m [0.14 lbrft]     Weight   6g [0.21 oz] Connector version     0-Link   IO-Link v1.0, PNP and Emitter units only	Output Types		NPN or F	NP				
No Load Supply Current   ≤ 30MA   ≤ 15MA   ≤ 9 mA (receiver)     Operating (Load) Current   ≤ 100 mA   ≤ 100 mA   ≤ 500 µs (normal)   ≤ 340 µs (normal)   ≤ 500 µs (normal)   ≤ 500 µs (normal)   ≤ 1 ms / ≤ 100 µs   ≤ 100 mA     Response Time <sup>2</sup> ≤ 500 µs (normal)   ≤ 10 kHz (stress)   ≤ 10 kHz (stress)   ≤ 10 kHz (normal)   ≤ 500 Hz / 5 kHz   ≤ 500 Hz / 5 kHz <td< th=""><th>Operating Voltage</th><td colspan="7">10-30 VDC</td></td<>	Operating Voltage	10-30 VDC						
Arrow of the set of the	No Load Supply Current	≤ 30mA	≤ 15					
eesponse time *   ≤ 1 ms / ≤ 340 µs   ≤ 1 ms / ≤ 100 µs   ≤ 1 ms / ≤ 250 µs     Switching Frequency 2   ≤ 1 kHz (normal) ≤ 500 Hz / ≤ 1.5 kHz   ≤ 1.5 kHz (normal) ≤ 500 Hz / ≤ 500 Hz / ≤ 500 Hz     Ripple   ≤ 10% Vpp     Voltage Reversal Protection   Yes     Short-circuit Protection   Yes     Operating Temperature   -25 to 65°C [-13 to 149°F]     Protection Degree   IP67     LED Indicators - Switching Status   Green LED: excess gain; yellow LED sensing state     Housing Material   ABS - Acrylonitrile Butadiene Styrene     Lens Material   PMMA - Poly (methyl methacrylate)     Shock/Vibration   IEC 60947-5-2     Tightening Torque   0.2 N·m [0.14 lb·ft]     Weight   6g [0.21 oz] Connector version 42g [1.48 oz.] Cable version     OLLink   IO-Link v1.0, PNP and Emitter units only     PVC, 2m [6.5 ft] 3-wire or 4-wire; M8 3-pin or 4-pin connector	Operating (Load) Current	≤ 100 mA						
Switching Frequency *   ≤ 500 Hz / ≤ 1.5 kHz   ≤ 500 Hz / ≤ 5kHz     Ripple   ≤ 10% Vpp     Voltage Reversal Protection   Yes     Short-circuit Protection   Yes     Operating Temperature   -25 to 65°C [-13 to 149°F]     Protection Degree   IP67     .ED Indicators - Switching Status   Green LED: excess gain; yellow LED sensing state     Housing Material   ABS - Acrylonitrile Butadiene Styrene     .ens Material   PMMA - Poly (methyl methacrylate)     Shock/Vibration   IEC 60947-5-2     Tightening Torque   0.2 N·m [0.14 lb-ft]     Weight   6g [0.21 oz] Connector version     42g [1.48 oz.] Cable version   42g [1.48 oz.] Cable version     O-Link   IO-Link v1.0, PNP and Emitter units only     PVC, 2m [6.5 ft] 3-wire or 4-wire; M8 3-pin or 4-pin connector	Response Time <sup>2</sup>							
Voltage Reversal Protection   Yes     Short-circuit Protection   Yes     Operating Temperature   -25 to 65°C [-13 to 149°F]     Protection Degree   IP67     LED Indicators - Switching Status   Green LED: excess gain; yellow LED sensing state     Housing Material   ABS - Acrylonitrile Butadiene Styrene     Lens Material   PMMA - Poly (methyl methacrylate)     Shock/Vibration   IEC 60947-5-2     Fightening Torque   0.2 N·m [0.14 lb•ft]     Veight   6g [0.21 oz] Connector version     42g [1.48 oz.] Cable version   UC-Link v1.0, PNP and Emitter units only     PVC, 2m [6.5 ft] 3-wire or 4-wire; M8 3-pin or 4-pin connector   PVC, 2m [6.5 ft] 3-wire or 4-wire; M8 3-pin or 4-pin connector	Switching Frequency <sup>2</sup>							
Short-circuit Protection     Yes       Operating Temperature     -25 to 65°C [-13 to 149°F]       Protection Degree     IP67       IED Indicators - Switching Status     Green LED: excess gain; yellow LED sensing state       Housing Material     ABS - Acrylonitrile Butadiene Styrene       Iens Material     PMMA - Poly (methyl methacrylate)       Shock/Vibration     IEC 60947-5-2       Fightening Torque     0.2 N·m [0.14 lb·ft]       Weight     6g [0.21 oz] Connector version       42g [1.48 oz.] Cable version     10-Link v1.0, PNP and Emitter units only       PVC, 2m [6.5 ft] 3-wire or 4-wire; M8 3-pin or 4-pin connector     PVC, 2m [6.5 ft] 3-wire or 4-wire; M8 3-pin or 4-pin connector	Ripple	≤ 10%Vpp						
Operating Temperature   -25 to 65°C [-13 to 149°F]     Protection Degree   IP67     IED Indicators - Switching Status   Green LED: excess gain; yellow LED sensing state     Housing Material   ABS - Acrylonitrile Butadiene Styrene     Lens Material   PMMA - Poly (methyl methacrylate)     Shock/Vibration   IEC 60947-5-2     Fightening Torque   0.2 N·m [0.14 lb·ft]     Veight   6g [0.21 oz] Connector version     42g [1.48 oz.] Cable version   10-Link v1.0, PNP and Emitter units only     Connectors   PVC, 2m [6.5 ft] 3-wire or 4-wire; M8 3-pin or 4-pin connector	Voltage Reversal Protection		Yes					
Protection Degree   IP67     LED Indicators - Switching Status   Green LED: excess gain; yellow LED sensing state     Housing Material   ABS - Acrylonitrile Butadiene Styrene     Housing Material   PMMA - Poly (methyl methacrylate)     Shock/Vibration   IEC 60947-5-2     Tightening Torque   0.2 N*m [0.14 lb*ft]     Weight   6g [0.21 oz] Connector version     O-Link   IO-Link v1.0, PNP and Emitter units only     PVC, 2m [6.5 ft] 3-wire or 4-wire; M8 3-pin or 4-pin connector	Short-circuit Protection	Yes						
LED Indicators - Switching Status   Green LED: excess gain; yellow LED sensing state     Housing Material   ABS - Acrylonitrile Butadiene Styrene     Lens Material   PMMA - Poly (methyl methacrylate)     Shock/Vibration   IEC 60947-5-2     Tightening Torque   0.2 N·m [0.14 lb-ft]     Weight   6g [0.21 oz] Connector version 42g [1.48 oz.] Cable version     O-Link   IO-Link v1.0, PNP and Emitter units only     Connectors   PVC, 2m [6.5 ft] 3-wire or 4-wire; M8 3-pin or 4-pin connector	Operating Temperature	-25 to 65°C [-13 to 149°F]						
Housing Material   ABS - Acrylonitrile Butadiene Styrene     Lens Material   PMMA - Poly (methyl methacrylate)     Shock/Vibration   IEC 60947-5-2     Fightening Torque   0.2 N•m [0.14 lb•ft]     Weight   6g [0.21 oz] Connector version 42g [1.48 oz.] Cable version     O-Link   IO-Link v1.0, PNP and Emitter units only     PVC, 2m [6.5 ft] 3-wire or 4-wire; M8 3-pin or 4-pin connector	Protection Degree		IP67					
Lens Material   PMMA - Poly (methyl methacrylate)     Shock/Vibration   IEC 60947-5-2     Tightening Torque   0.2 N•m [0.14 lb•ft]     Veight   6g [0.21 oz] Connector version 42g [1.48 oz.] Cable version     O-Link   IO-Link v1.0, PNP and Emitter units only     PVC, 2m [6.5 ft] 3-wire or 4-wire; M8 3-pin or 4-pin connector	LED Indicators - Switching Status	Green LED: excess gain; yellow LED sensing state						
Shock/Vibration   IEC 60947-5-2     Fightening Torque   0.2 N·m [0.14 lb·ft]     Veight   6g [0.21 oz] Connector version 42g [1.48 oz.] Cable version     O-Link   IO-Link v1.0, PNP and Emitter units only     Connectors   PVC, 2m [6.5 ft] 3-wire or 4-wire; M8 3-pin or 4-pin connector	Housing Material	ABS - Acrylonitrile Butadiene Styrene						
Fightening Torque   0.2 N·m [0.14 lb·ft]     Veight   6g [0.21 oz] Connector version 42g [1.48 oz.] Cable version     O-Link   IO-Link v1.0, PNP and Emitter units only     Connectors   PVC, 2m [6.5 ft] 3-wire or 4-wire; M8 3-pin or 4-pin connector	Lens Material	PMMA - Poly (methyl methacrylate)						
Weight   6g [0.21 oz] Connector version 42g [1.48 oz.] Cable version     O-Link   IO-Link v1.0, PNP and Emitter units only     PVC, 2m [6.5 ft] 3-wire or 4-wire; M8 3-pin or 4-pin connector	Shock/Vibration	IEC 60947-5-2						
Vergin 42g [1.48 oz.] Cable version   O-Link IO-Link v1.0, PNP and Emitter units only   Connectors PVC, 2m [6.5 ft] 3-wire or 4-wire; M8 3-pin or 4-pin connector	Tightening Torque	0.2 N•m [0.14 lb•ft]						
Connectors PVC, 2m [6.5 ft] 3-wire or 4-wire; M8 3-pin or 4-pin connector	Weight							
M8 3-pin or 4-pin connector	IO-Link		IO-Link v1.0, PNP and					
dency Approvals cULus, CE, Ecolab	Connectors							
<b>.</b>	Agency Approvals		cULus, CE,	Ecolab				

<sup>1</sup>Object with 90% reflectance (standard white paper)

<sup>2</sup> By default, "Normal" mode. "Fine" and "Fast" modes selectable via IO-Link.

### Wiring Diagrams



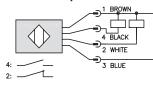
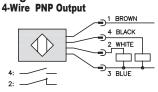
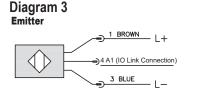


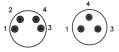
Diagram 2



Note: Pin 4 also used for IO link



M8 connectors





# **C23 Mounting Brackets**

#### **C23 Mounting Brackets**



LXW-C23PA-000



LXW-C23PA-001



LXW-C23PA-002



LXW-C23PA-003

C23 Mounting Brackets							
Part Number	Price	Description	Weight	Drawing Link			
LXW-C23PA-000	\$5.50	Contrinex mounting bracket, right-angle horizontal, 304 stainless steel. For use with Contrinex C23 photoelectric sensors.	13g	PDF			
LXW-C23PA-001	\$5.50	Contrinex mounting bracket, right-angle vertical, 304 stainless steel. For use with Contrinex C23 photoelectric sensors.	20g	PDF			
LXW-C23PA-002	\$6.50	Contrinex mounting bracket, protective, 304 stainless steel. For use with Contrinex C23 photoelectric sensors.	16g	PDF			
LXW-C23PA-003	\$14.00	Contrinex mounting bracket, protective dual-axis, 304 stainless steel. For use with Contrinex C23 photoelectric sensors.	49g	PDF			

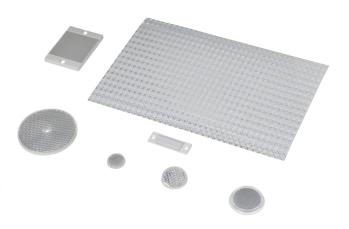
### 1-800-633-0405 Reflectors

#### RL Series Reflectors for Polarized Reflective Photoelectric Sensors (All Models)

- Suitable for use with polarized light photoelectric sensors
- Shapes and sizes for most applications
- Miniature types for close mounting in multiple sensor installations
- Single hole, dual hole and self-adhesive mounting types available
- Single and 10-packs available

#### **Installation Notes**

- Keep the reflector surface clean to ensure peak detection performance. This is especially true when the maximum sensing range is being used. Clean using a damp cloth.
- When selecting a reflector, it is important to consider the ambient conditions it will be exposed to. Dusty or high humidity conditions may reduce the sensing range as much as 90%.
- Reflectors should be positioned at a 90° angle to the optical axis with a tolerance of  $\pm 15^{\circ}$ .



Reflector Specifications								
Part number	Price	Drawing Link	Quantity	Dimensions mm [in]	Degree of Protection	Mounting	Materials	
<u>RL102</u>	\$38.00		10	25				
<u>RL102-1</u>	\$4.25	<u>PDF</u>	1	[0.98]		Customer-supplied adhesive or other mounting method required		
<u>RL103</u>	\$42.50	PDF	10	34.5				
<u>RL103-1</u>	\$4.75		1	[1.36]				
<u>RL104</u>	\$42.50	005	10	46				
<u>RL104-1</u>	\$4.75	<u>PDF</u>	1	[1.81]			Reflective face: PMMA	
<u>RL105G</u>	\$38.00	005	10	95 x 38		Two 4.3 mm holes	Polymethylmethacrylate (acrylic)	
<u>RL105G-1</u>	\$4.25	<u>PDF</u>	1	[3.74 x 1.50]			Base material: ABS	
<u>RL106G</u>	\$42.50	225	10	182 x 42		Two 6mm holes	(Acrylonitrile-butadiene-styren)	
<u>RL106G-1</u>	\$4.75	- <u>PDF</u>	1	[7.17 x 1.65]				
<u>RL110</u>	\$19.00	DDE	10	84 [3.31]		One 5mm hole		
<u>RL110-1</u>	\$2.00	<u>PDF</u>	1		IEC IP67			
<u>RL116</u>	\$19.00		10	41 x 60 [3.54 x 2.36]		Two 3mm holes		
<u>RL116-1</u>	\$2.00	PDF	1					
<u>RL100DA4</u>	\$38.50	NA	1	200 x 300 [7.87 x 11.81]		Self-adhesive Two 3mm slots	Paper (Acrylic tape with micro prism)	
<u>RL100DC4</u>	\$12.00	NA	1	50 x 300 [1.97 x 11.81]				
<u>RL100DQ1</u>	\$8.75	NA	1	100 x 100 [3.94 x 3.94]				
<u>RL111G</u>	\$60.00	PDF PDF	10	22.5 x 47 [0.89 x 1.85] 19 x 73 [0.75 x 2.87]			Reflective face: PMMA Polymethylmethacrylate (acrylic) Base material: ABS	
<u>RL111G-1</u>	\$7.25		1					
<u>RL112G</u>	\$44.00		10					
<u>RL112G-1</u>	\$4.75		1					
<u>RL113G</u>	\$53.00	- PDF	10	51.4 x 60.3		Two 4mm slots	(Acrylonitrile-butadiene-styren)	
<u>RL113G-1</u>	\$6.00		1	[2.02 x 2.37]				

Not recommended for applications involving moist air environments or water immersion.