

PVS28D225QP

▶ PVS28 PARTS VERIFICATION SENSOR



PVS Series: Parts Verification Sensor
Length: 225 mm; Voltage: 12-30 V dc
Housing: Polycarbonate; IP54
Range: 20 to 500 mm; Outputs: Bimodal, NO,
Momentary
150 mm (6 in) 5-pin M12 PVC Pigtail QD
Part Number: 814558

CERTIFICATIONS



SPECIFICATIONS

Cable Length (m)	0.15
Supply Voltage	12-30 V dc
Power	DC
Display	No
IP Rating	IP54
Sensing Mode (General)	Proximity
Sensing Mode (Detailed)	Diffuse/Background Suppression
Housing Style	Flat Mount - Array
Primary Housing Material	Polycarbonate
Actuation	Yes
Activation Function	Optical
Mounting Thread	No Thread

Color Input Control	Individual (One wire/color, same number of colors as input wires)
Number of Colors	2
Product Size (mm)	225
Color Technology	Standard LED
Color Option 1	Green
Animation Option 1	Solid On
Connection	Pigtail QD
Lumens Color 1	12.0
Color 1 - Wavelength/Color Temp/Coordinates	525 nm
Color Option 2	Red
Lumens Color 2	2.5
Color 2 - Wavelength/Color Temp/Coordinates	620 nm
Color Option 3	Yellow
Lumens Color 3	2.5
Color 3 - Wavelength/Color Temp/Coordinates	576 nm
Max Current Color (mA)	110
Number of Input Pins/Conductors	5
Operation	Normally Open/Normally Closed
Output Type	Bipolar (NPN or PNP - user selectable)
Input Type	Bimodal (PNP/NPN)
Max Input Response Time (ms)	40
Max Output Response Time (ms)	120
Maximum Sensing Distance (mm)	500
Array Length (mm)	225.0
Physical Dimensions (LxWxH or DxH mm)	270 x 30.0 x 15.0
Beam Spacing (mm)	60.0
Number of Beams	2
High Temperature (up to 100° C)	50
Min Op. Temperature (°C)	-20

Storage Temp (°C)	-40 to 70
Primary Housing Color	Black
Button Operation	Momentary
Primary Window Material	Polycarbonate
Sensing Resolution (mm)	20
Feature: Audible	No
Feature: Quick Disconnect	Yes
EPLAN Status	Published
EPLAN Original Sent Date	09/22/2023

COMPATIBLE PRODUCTS

BRACKETS

SMBPVA1
<p>Bracket: Right-angle bracket 303 Stainless Steel Replacement brackets for brackets included with sensors Used with PVA, PVD, EZ-LIGHT TL30F</p>
SMBPVA10C
SMBPVA10C MOUNTING BRACKET KIT PVA225 TO TUBE RACKS
SMBPVA2
<p>Bracket: Set of 4 molded brackets Snaps onto standard 28 mm diameter pipe 2 required per sensor</p>
SMBPVA5C
SMBPVA5C MOUNTING BRACKET KIT PVA100 TO TUBE RACKS
SMBPVA7
<p>Bracket: One-piece bracket for mounting to 28 mm diameter pipe Black-painted steel Requires SMBPVA..C for mounting at an angle +/- 90 deg</p>
SMBPVA8
<p>Bracket: Heavy-Duty 2-part Bracket; Mounts to 28 mm Diameter Pipe Cold-rolled Steel with Zinc Finish Requires SMBPVA..C for Mounting</p>

	SMBPVA9
<p>Bracket: Pair of 2-piece swivel brackets Mount directly to sensor or to PVD/PVA protective brackets Designed for mounting sensor to look down or at an angle +/-90 degree</p>	

PRO CONVERTER CABLE

	PRO-KIT
<p>For Discrete Pro Lights and select Sensor products Kit includes config cable, splitter, and power supply Required for initial software configuration only</p>	

RETROREFLECTIVE TARGET TAPE REFLECTORS

	BRT-THG-1-100
<p>Retroreflective Tape: 25 mm by 2.5 m long Reflectivity Factor: 0.7 Max. Temp.= 60 degrees C Adhesive Back for mounting (0.06 m squared)</p>	

	BRT-THG-2-100
<p>Retroreflective Tape: 50 mm by 2.5 m long Reflectivity Factor: 0.7 Max. Temp.= 60 degrees C Adhesive Back for mounting (0.125 m squared)</p>	

	BRT-THG-3-100
<p>Retroreflective Tape: 75 mm by 2.5 m long Reflectivity Factor: 0.7 Max. Temp.= 60 degrees C Adhesive Back for mounting (0.1875 m squared)</p>	

MISCELLANEOUS

	ACC-PRO-CABLE5
<p>Accessory: MQDMC-501 (1) WAGO WIRE NUT 2-POS LEVER (5)</p>	

DOUBLE-ENDED CORDSETS

	MQDC-506-USB
<p>Converter Cable USB to Banner 1-WIRE 5-pin M12 For Banner Pro Series 0.7 m USB Cable; 1 m M12 Cable</p>	

SINGLE ENDED CORDSETS

MQDC-403
Cordset: Single Ended M12 4-pin Straight Female 1 m 4x22 Black PVC Jacket Nickel-Plated Brass Coupling Nut
MQDC-406
Cordset: Single Ended A-Code M12 4-pin Straight Female Connector 2 m (6.56 ft) Black PVC Jacket Nickel-Plated Brass Coupling Nut
MQDC-410
Cordset: Single Ended M12 4-pin Straight Female 3.01 m 4x22 Black PVC Jacket Nickel-Plated Brass Coupling Nut
MQDC-4100
Cordset: Single Ended M12 4-pin Straight Female 30 m 4x22 Black PVC Jacket Nickel-Plated Brass Coupling Nut
MQDC-415
Cordset: Single Ended M12 4-pin Straight Female 5 m (16.4 ft) 4x22 Black PVC Jacket Nickel-Plated Brass Coupling Nut
MQDC-430
Cordset: Single Ended M12 4-pin Straight Female 9 m (29.53 ft) 4x22 Black PVC Jacket Nickel-Plated Brass Coupling Nut
MQDC-450
Cordset: Single Ended M12 4-pin Straight Female 15 m 4x22 Black PVC Jacket Nickel-Plated Brass Coupling Nut
MQDC-460
Cordset: Single Ended M12 4-pin Straight Female 18.3 m 4x22 Black PVC Jacket Nickel-Plated Brass Coupling Nut

	MQDC-470
<p>Cordset: Single Ended M12 4-pin Straight Female 21 m 4x22 Black PVC Jacket Nickel-Plated Brass Coupling Nut</p>	
	MQDC1-501.5
<p>Cordset: Single Ended M12 5-pin Straight Female 0.5 m 5x22 Black PVC Jacket Nickel-Plated Brass Coupling Nut</p>	
	MQDC1-503
<p>Cordset: Single Ended M12 5-pin Straight Female 0.91 m 5x22 Black PVC Jacket Nickel-Plated Brass Coupling Nut</p>	
	MQDC1-506
<p>Cordset: Single Ended A-Code M12 5-pin Straight Female Connector 2 m (6.56 ft) Black PVC Jacket Nickel-Plated Brass Coupling Nut</p>	
	MQDC1-5100
<p>Cordset: Single Ended M12 5-pin Straight Female 31 m 5x22 Black PVC Jacket Nickel-Plated Brass Coupling Nut</p>	
	MQDC1-515
<p>Cordset: Single Ended A-Code M12 5-pin Straight Female Connector 5 m (16.4 ft) Black PVC Jacket Nickel-Plated Brass Coupling Nut</p>	
	MQDC1-530
<p>Cordset: Single Ended M12 5-pin Straight Female 9 m (29.53 ft) 5x22 Black PVC Jacket Nickel-Plated Brass Coupling Nut</p>	
	MQDC1-560
<p>Cordset: Single Ended M12 5-pin Straight Female 18 m 5x22 Black PVC Jacket Nickel-Plated Brass Coupling Nut</p>	

SPLITTERS

	CSB-M1251FM1251M
<p>Splitter M12F to M12M and M12M connectors 5-pin, Non-Shielded, IP68, AWG 22 Black PVC Cord, Straight Connectors Trunk: 0.3 m; Branches: 0.3 m</p>	

OUTLET PLUG POWER SUPPLIES

	PSW-24-1
<p>DC Power Supply - Wall Mount Input: 100-240 V ac 50/60 Hz: Multi-blade outlet plug Output: 24 V dc 1 A; 2 m (6.5 ft) 5-pin M12 QD UL Listed Class 2</p>	