Amphenol
Industrial

Amphenol LTW Technology Co., Ltd.

Screw Vent M12 Series – Effectively Protects Your Outdoor Devices In Harsh Environments

Amphenol LTW (ALTW) introduces the Screw Vent M12 series of waterproofing screws for industrial applications, providing a solution that reliably guarantees complete enclosure in industrial environments.

The Screw Vent M12 series strong and flexible plastic is made to withstand extreme changes in pressure while retaining its integrity. The M12's smooth and flat surface design also aids to keep liquids, oils, and moisture away, ensuring its waterproofing feature.

ALTW's screw vent offers a variety of options with numerous performances and characteristics to meet your requirements.

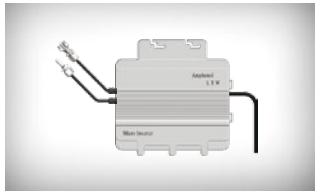Harsh environment | Corrosion resistant | IPX8 waterproof | UL 94V-0. f1

Applications:

LED Lighting

LED Wall Washer

Renewable Energy

Micro Inverter / Inverter

Broadband Wireless Access

Outdoor AP / CPE + Data Collector

Security

Outdoor IP Camera

Specifications :

Part Number	VENT-PS1NGY-N8001 (Gray) VENT-PS1NBK-N8001 (Black)	VENT-PS1NGY-N8002 (Gray) VENT-PS1NBK-N8002 (Black)	VENT-PS1NGY-O8001 (Gray) VENT-PS1NBK-O8001 (Black)	VENT-PS1NGY-O8002 (Gray) VENT-PS1NBK-O8002 (Black)
Dimension				
Assembly Type	Screw M12x1.5	Screw M12x1.5	Screw M12x1.5	Screw M12x1.5
Specification — Environment Temperature	-40℃~+125℃	-40℃~+125℃	-40℃~+125℃	-40℃~+125℃
Waterproof Rating	IP68 (2M · 60mins), IP69K	IP68 (2M · 60mins)	IP68 (2M · 60mins), IP69K	IP68 (2M · 60mins), IP69K
Air Permeability	> 1000ml/min @70mbar	> 3000ml/min @70mbar	> 550ml/min @70mbar	> 1000ml/min @70mbar
Water Entry Pressure	> 60kPa	> 60kPa	> 60kPa	> 60kPa
Material — Housing	PA	PA	PA	PA
Membrane	ePTFE (Hydrophobic)	ePTFE (Hydrophobic)	ePTFE (Oleophobic)	ePTFE (Oleophobic)
Sealing	O-ring: Silicone (Blue)	O-ring: Silicone (Red)	O-ring: Silicone (Black)	O-ring: Silicone (Green)
Housing Color	Gray / Black	Gray / Black	Gray / Black	Gray / Black
Test Standards	Thermal Shock: EIA 364-32 Waterproof: IEC 60529 & ISO 20653 Fungus: GB/T 2423.16	Thermal Shock: EIA 364-32 Waterproof: IEC 60529 & ISO 20653 Fungus: GB/T 2423.16	Thermal Shock: EIA 364-32 Waterproof: IEC 60529 & ISO 20653 Fungus: GB/T 2423.16	Thermal Shock: EIA 364-32 Waterproof: IEC 60529 & ISO 20653 Fungus: GB/T 2423.16

Dimension diagram: Ø17.1, O-Ring 10x2, M12*1.5, 15.8, 10.0

* VENT-PS1NGY-N8002 and VENT-PS1NBK-N8002 - available soon.
* Screw nut is optional purchase.

For more information, please contact:
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Membership | TRIAL FREE

Innovation in Waterproof Solution