

VP-12-IR Series

Because Sometimes a Smaller Infrared Window is All You Need



Stress-Free Viewing

The polymer based infrared window maintains fixed and stable transmission (FAST) for life as the polymer is unaffected by environmental and mechanical stresses commonly seen with crystal based infrared windows.

Environmental Protection

The VP-12-IR Series of products are constructed from switchgear-grade Nylon plastic with an aluminum cover and stainless steel mounting screws. Seamless custom gaskets ensure the NEMA4 / IP65 ingress protection rating is maintained.

Durable and Rugged

Polymer-based IR windows are far more able to resist the mechanical stresses applied to IR window that are fitted to electrical distribution equipment.

The VP-12-IR's 12mm viewing area was designed for tight areas or for use with infrared (IR) cameras with smaller, wider angle lens systems. While the VP-12-IR is small in size, it is still big on features. The polymer lens material and switchgear grade plastics assures compliance by maintaining an IP65/NEMA 4 seal whether open or closed. With the smaller footprint of the VP-12-IR, it could be the answer for providing a thermographer access to more challenging areas. This will allow monitoring of equipment that would not have been possible with a larger window. The durability, flexibility, and proven transmission stability of IRISS polymer IR windows continues with the VP-12-IR.



Specifications

Part Number	VP-12-IR
General Specifications	
Overall Dimensions	6.5 cm (2.6 in) Ø
Overall Thickness	2.6 cm (1.0 in)
IP/ NEMA Environment Rating	IP65 / NEMA 4
Operating Temperature	-40°C (-40°F) to 273°C (523°F)
Body Material	UL 94 5VA Nylon (switchgear-grade plastic); -40°C (-40°F) to 273°C (523°F); aluminum cover
Gasket Material	UL 94 5VA TPE; -40°C (-40°F) to 273°C (523°F)
Hardware Material	316 Stainless Steel
Voltage Range	Any
Automatically Grounded	Yes
Optic Specifications	
Viewing Aperture Dimensions	1.2 cm (0.5 in) Ø
Optic Material	UL 746 compliant, visual, UV and IR transmissive polymer; -40°C (-40°F) to 325°C (617°F)
Inspection Capabilities and Applications	
Midwave IR and Longwave IR; Ultraviolet (UV); Medium/High Voltage Applications	
Certifications	
Certified by UL (USA) & cUL (Canada) to the following standards: 50V, 50E, 756C: Impact and Flammability, 746C & 746A-2012, 1558: Impact and Load Resistance, 508A: ANSI 508A	
CSA C22.2 No. 14-13, C22.2 No. 14-10, C22.2 No. 94-M91, C22.2 No.94.1-07, C22.2 No. 94.2-07	
IP65 / NEMA 4	
Lloyds of London Type Approval	
American Bureau of Shipping (ABS)	
DNV (Det Norske Veritas) P261.1E Maritime, Vessel and Offshore Applications	
IEEE C37 20.7 Type 2B, C37 20.2.a.3.6: Impact and Load	
IEC 62271-200, 60262271-200,60298 Appendix A, 60068-2-6:2007, 60068-2-3, 60068-2-78:2012	
Other	
Warranty	Unconditional Lifetime Warranty

*Caution: These dimensions are not installation dimensions. Do NOT cut prior to receiving your IRISS IR window and installation template. Specifications are subject to change without notice. For the most up-to-date specs, go to www.iriss.com

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