



Ruggedised Low Profile IR Pantograph Illuminator For Rolling Stock

eyetrain.

eyeTrain is designed to rail group standards, and incorporates the very latest in video, storage and communications technology. The eyeTrain range offers digital (IP) technology matched to the harsh environment of rolling stock applications, providing the highest performance and resilience on the market.



A level of runtime stability and resilience not normally associated with high technology systems

Specifications

General

Type	Rugged Low Profile Infra Red Pantograph Illuminator
Part Number	PGI-ST-397
Form Factor	Aluminium Alloy finished in 40um Hard Anodise to Match RAL 7024
Dimensions	70 mm (H) x 160 mm (W) x 124.5 mm (L)
Weight	2.1 kg

Product Data Sheet

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Input Voltage	38 V max
Input Current	700 mA (Via Constant Current Supply)
Colour Temperature	850 nm IR
Luminous Power	Provides illumination to enable the camera to operate in all lighting conditions
Connections	Deutsch DT06-4S-CE0S PLUG
	Pin 1 +38 V DC
	Pin 2 0 V

Environmental

Temperature Range	-25°C to +70°C (Operational T3)
Ingress Protection	IP66

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Standards Compliance

Shock & Vibration	EN50155:2007 12.2.11, EN61373:2010
Ingress Protection	EN60529:1992+A 1 :1998+A2:2000
Damp Heat	EN50155:2007 12.2.3, EN60068-2-30
Dry Heat	EN50155:2007 12.2.4, EN60068-2-2
Low Temperature Storage	EN50155:2007 12.2.14, EN60068-2-1
Low Temperature	EN50155:2007 12.2.14, EN60068-2-1
Rapid Temperature Cycling	EN50155:2007, EN600068-2-14
Insulation	N/A
Insulation Resistance	EN50155:2007, EN60092-504
Voltage Withstand	N/A
Variation of Voltage Supply	N/A
Voltage Over-voltage	N/A
Voltage Interruption	N/A
Earth Bonding	EN50155:2007
Reverse Polarity	N/A
Conducted Emissions	EN50155:2007 12.2.8.2, EN50121-3-2:2016, EN55016-2-1:2014
Radiated Emissions	EN50155:2007 12.2.8.2, EN50121-3-2:2016, EN55016-2-3:2010
Radiated Susceptibility	EN50155:2007 12.2.8.1, EN50121-3-2:2016, EN61000-4-3:2006
Conducted Susceptibility	EN50155:2007 12.2.8.1, EN50121-3-2:2016, EN61000-4-6:2014
Fast Transient Burst Sus	EN50155:2007 12.2.7.3, EN 50121-3-2:2016, EN61000-4-4:2012
Electrostatic Discharge	EN50155:2007 12.2.7.2, EN50121-3-2:2016, EN61000-4-2:2009
Surge Immunity	EN50155:2007 12.2.7.1, EN 50121-3-2:2016, EN 61000-4-5:2006