



Main Features

- Voltage input 24/110 VDC with isolation
- 4000VDC I/O isolation (Reinforced isolation)

Product Overview

VTK-6222-PK is an external attachable power isolation kit for nROK 6222 to protect against sudden power surges. Rated power is 150W, constituting two types of models with 2:1 wide but different input ranges 16.8 ~ 31.2VDC and 67.2 ~ 143VDC, suitable for railway systems used standard input voltages such as 24VDC and 110VDC.

Specifications

Input Voltage

- VTK-6222-APK: 24VDC
- VTK-6222-FPK: 110VDC

Input Connector

- M12 (5-pin)

Output Voltage

- 24VDC

Output Connector

- M12 (5-pin)

Rated Power

- 150W

Dimensions

- 145 x 218 x 49 (W x D x H) (mm)

Weight

- 1.7kg

Environment

- Operating temperatures
 - EN 50155, class OT4 -40 ~ 70°C, 85°C for 10 minutes
- Storage temperatures: -40°C~80°C
- Relative humidity: 90% (non-condensing)

- Vibration (random)

- 2g@5~500 Hz

- Vibration

- Operating: MIL-STD-810G, Method 514.6, Category 4, common carrier US highway truck vibration exposure

- Storage: MIL-STD-810G, Method 514.6, Category 24, minimum integrity test

- Shock

- Operating: MIL-STD-810G, Method 516.6, Procedure I, functional shock=40g

- Non-operating: MIL-STD-810G, Method 516.6, Procedure V, crash hazard shock test=75g

Standards/Certifications with nROK6222

- CE

- FCC Class A

- EN 50155:2017

- Ambient temperature EN 50155, class OT4 (-40 ~ 70°C, 85°C for 10 minutes)

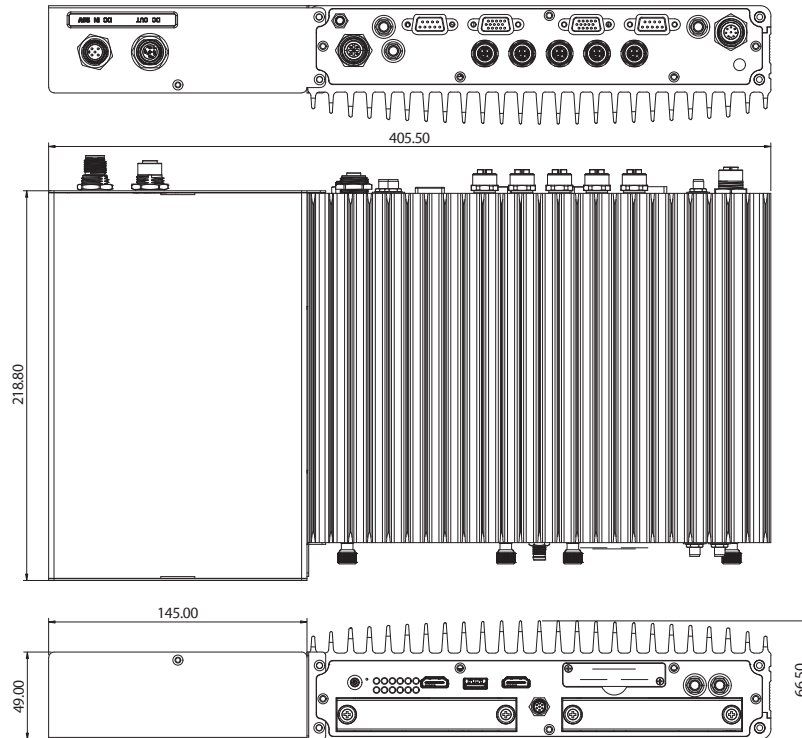
- Shock and vibration IEC 61373 class B

- Interruptions of voltage supply class S1

- Supply change over class C1, C2

- EMC EN 50121-3-2:2016

Dimension Drawing



Ordering Information

- **VTK-6222-APK (P/N: 10VK0622200X0)**
External attachable railway power isolation kit for nROK 6222, DC input 24VDC
- **VTK-6222-FPK (P/N: 10VK0622201X0)**
External attachable railway power isolation kit for nROK 6222, DC input 110VDC