



- ❖ Supplied over USB-B
- ❖ Galvanic Separation
- ❖ Operating Range -40°C to $+75^{\circ}\text{C}$
- ❖ Operating Range of Components -40°C to $+85^{\circ}\text{C}$

PRODUCT NAME	CODE	NOTE
GDS-USB-AB	2-290-260	USB A, B

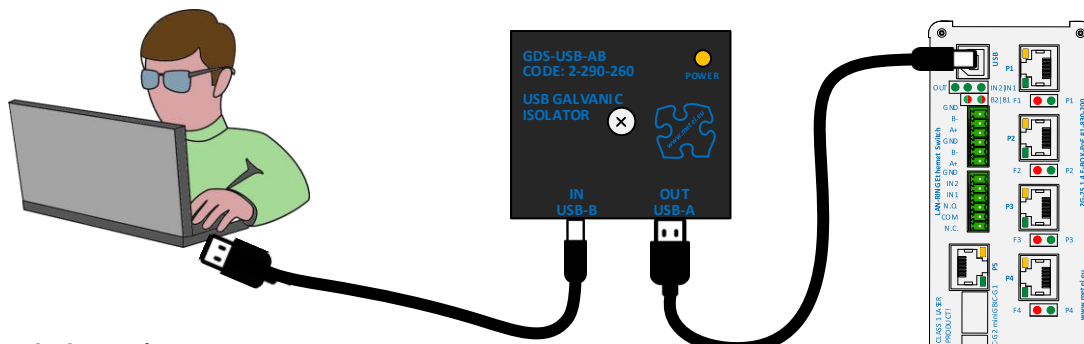
Function Description

This separator is the ideal solution for interrupting ground loops and protecting USB ports from overvoltages and voltage spikes in applications that require high-speed USB. The galvanic insulation barrier can withstand a potential difference of up to 2,500 volts.

Technical Parameters

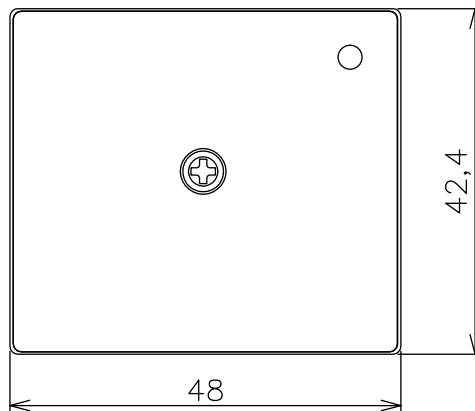
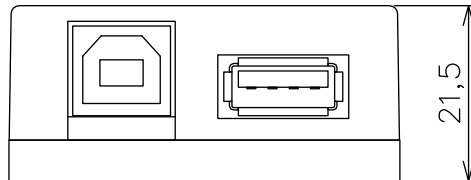
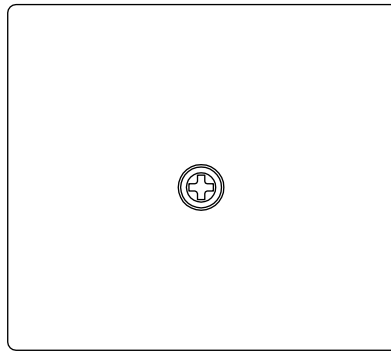
Parameter	Value	Unit	Note
Ports	USB-B / USB-A	Data + Supply / Data	50 mA
Data Speed	USB2.0 - Full-Speed: 12	Mbps	
Overvoltage Protection	500	W	8/20 μs
	40	A	IEC 61000-4-4
Galvanic Isolation	2,5	kV	
Environment	Operational Range	$-40\dots+75$	$^{\circ}\text{C}$ Temperature of Environment
	Storage Range	$-40\dots+75$	$^{\circ}\text{C}$
	Humidity	Max. 95	% Non-condensing
Mechanics	Dimensions	See Drawing	mm
	Weight	40	g
	Cover Material	Plastic	
	Certification	CE	
The producer retains the right to change any technical parameters without previous written or published notification.			

Block Diagram of Connections



1. USB Connection

First connect the computer to the USB IN port with the A-B USB cable. The power supply is indicated by the yellow POWER LED. Then connect the switch to the USB OUT port with the USB A-B cable.

Dimensions of GDS-USB-AB

REV: 201904 – Default
201912 – Remove DIN holder