

### USB isolator

- Powered by USB-B
- Galvanic separation
- Operating temperature from  $-40^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$



This isolator is the ideal solution for breaking ground loops and protecting USB ports from surges and voltage spikes in applications that require high-speed USB transfers. The galvanic isolation barrier can withstand potential differences of up to 2,500 V.

### Available models

Order name	Order code
GDS-USB-AB	2-290-260



## Technical parameters

### PORTS

USB-B / USB-A	Data + power / Data (50 mA)
Data speed	USB2.0 - Full-Speed: 12 Mbps
Surge protection	500 W (8/20 µs)
Surge protection	40 A (IEC 61000-4-4)
Electrical strength	2,5 kV

### ENVIRONMENT

Operating temperature	-40...+75 °C (ambient temperature)
Storage temperature	-40...+75 °C
Humidity	Max. 95 % (noncondensing)

### MECHANICAL

Dimensions - h / w / d	21.5 x 42.4 x 48 mm
Weight	40 g
Cover material	Plastic
Certification	CE



## Standards and protocols

Standard	Note
USB	2.0

## EMC and safety

Standard	Level	Note
EN 61000-6-2		Immunity - industrial environment
IEEE 1613		Environmental and Testing Requirements   Electric Power Substations
EN 50130-4 ed. 2		Alarm systems - Part 4: Electromagnetic compatibility
EN 55035		EMC of multimedia devices - immunity requirements
EN 55032		EMC of multimedia devices - emission requirements
EN 62368-1		Safety requirements of Information technology equipment
EN IEC 63000		The Assessment Of Electrical And Electronic Products With Respect To The ROHS

## Notes

- The manufacturer reserves the right to change technical parameters without prior notice.

Document created on 02/10/2026 04:08AM:07