

UMB-Surge Arrester

Order No.: 8379.USP

Equipment Description

The surge arrester serves to protect the LUFFT UMB sensors and is installed between the ISOCON-UMB and the UMB sensor. A surge arrester is required for each UMB sensor.

Connections

Protected side

The ISOCON-UMB is connected to the “protected side”.

The connectors on the surge arrester are assigned in exactly the same way as on the ISOCON-UMB.

Unprotected side

The UMB sensors are connected on the “unprotected” side. The connectors on the surge arrester are assigned in exactly the same way as on the ISOCON-UMB.

Technical Data

Power supply safety path

Max. operating current:	6 A
Max. operating voltage:	27 V
Rated leakage current:	20 kA (8/20 μ s)

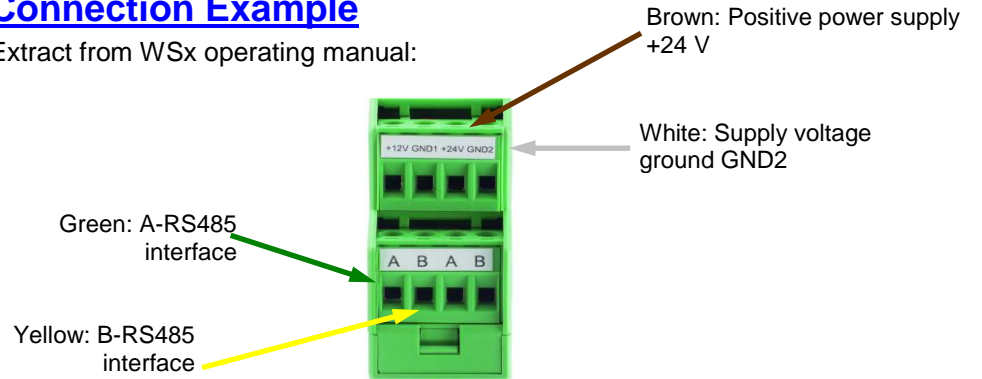
Communication safety path

Max. operating current:	100 mA
Max. operating voltage:	5V
Rated leakage current:	20 kA (8/20 μ s)

ATTENTION: The mounting rail **must** be grounded!

Connection Example

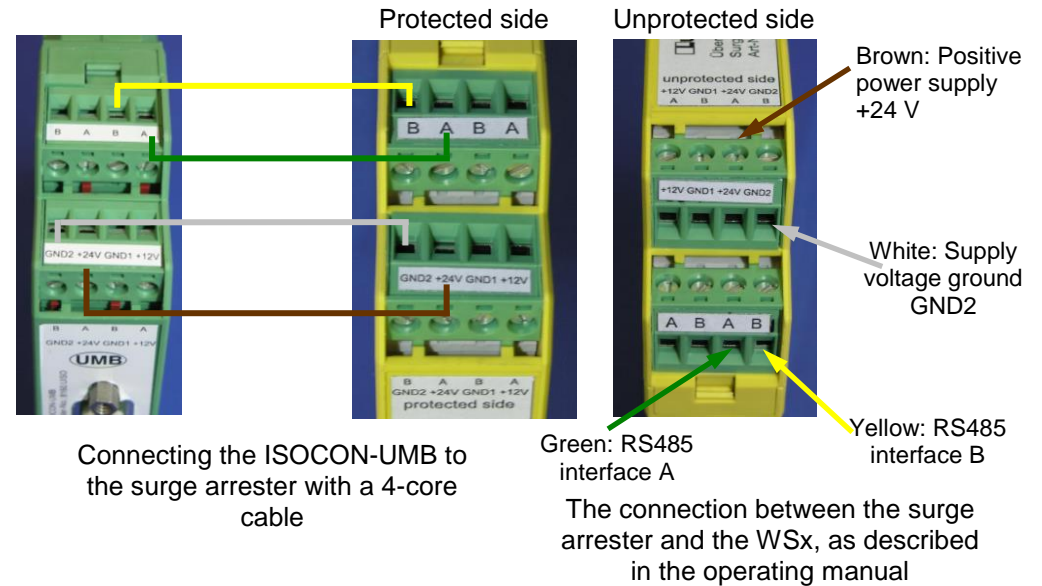
Extract from WSx operating manual:



The wiring required to connect the WSx to the surge arrester is as follows:

ISOCON-UMB

Surge Arrester



Either an additional surge arrester must be provided on the WSx heating power supply **or** both heating and sensor power supply must be powered in parallel using the same surge arrester.