

Coming soon

Short Catalog Sheet
METEL.EU

xDW-2S-44-BOX

- Support for a redundant ring topology
- Compatibility with all RS485 systems up to 1Mbps
- Digital modulation
- 2x SC/PC optical connectors (CWDM)
- 2x RS485 or 1x RS422 up to 1Mbps
- 1x LOCK NO/NC relay
- Overvoltage protection
- Operating temperature from -40 °C to +75 °C



The xDW-2S-44 digital-to-optical converters are universally applicable for extending RS485/422 bus systems via single-mode or multi-mode optical fibres. They also allow for connection in a ring topology.

The devices are developed and manufactured in the EU and comply with NDAA requirements.

Available models

Order name	Order code
xDW-2S-44-BOX	1-301-326



Technical parameters

RS485

Number	2
Speed	max. 1 Mb/s
Surge protection	600 W, 10/1000 μ s waveform

OPTICAL PORTS

Number	2
Optical performance	-14 - -8 / -10 - 0 dBm (SM / MM)
Sensitivity	-31 dBm
Connector	SC/PC
MM 50/125 μ m	6 km
MM 62.5/125 μ m	4 km
SM 9/125 μ m	20 km

LOCK RELAY

Number	1
Max. Load	125 VAC / 0.5 A or 60 VDC / 0.3 A
Contact type	Switchable

POWER SUPPLY

Input voltage range	10-30 VAC / 10-60 VDC
Energy consumption	Max. 1.5 W
Surge protection	600 W, 10/1000 μ s waveform

ENVIRONMENT

Operating temperature	-40...+75 °C
Storage temperature	-40...+75 °C
Humidity	Max. 95%

MECHANICS

Weight	0.35 kg
Dimensions - H / W / D	30 × 110 × 92 mm

Standards and protocols

Standard	Note
Modbus	RTU
RS485	Compatible with all RS485 buses up to 1 Mbps

EMC and safety

Standard	Level	Note
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Notes

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

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