

xDW-S-PDS

- Digital modulation
- 1x SC/PC optical connector (CWDM)
- 2x BUS data
- 1x LOCK NO/NC relay
- Overvoltage protection
- Current protection of the power supply
- Operating temperature -40°C to $+70^{\circ}\text{C}$
- Operating temperature of components from -40°C to $+85^{\circ}\text{C}$



Digital optical converters xDW-S-PDS are universally applicable for extending communication buses of ABI, MB SECURE, PARADOX EVO, SATEL IN TEGRA systems over optical single-mode or multimode fibers.

AVAILABLE MODELS

Order name	Order code
FIWRE-S-PDS	1-004-290
TDW-S-PDS-BOX/12	1-504-290
RDW-S-PDS-BOX/12	1-604-290



METEL s.r.o., Žižkův kopec 617, 55203 Česká Skalice, Česká republika, www.metel.eu

TECHNICAL PARAMETERS

DATA BUS	
Count	2
Surge protection	600 W waveform 10/1000 μ s
OPTICAL PORT	
Optical power	-14 - -8 / -10 - 0 dBm (SM / MM)
Sensitivity	-31 dBm
Connector	SC/PC
OPTICAL RANGE	
ABI	5/10 km (MM/SM)
MB SECURE	5/10 km (MM/SM)
PARADOX EVO	5/5 km (MM/SM)
SATEL INTEGRA	5/5 km (MM/SM)
LOCK RELAY	
Count	1x on RDW
Max. Load	125 VAC / 0.5 A or 60 VDC / 0.3 A
Type of contact	Switching
POWER	
Input voltage range	10 - 20 VDC
Power consumption	Max. 1.5 W
Surge protection	600 W waveform 10/1000 μ s
ENVIRONMENT	
Operating temperature	-40 - +70 °C
Storage temperature	-40 - +70 °C
Humidity	Max. 95 %
MECHANICAL	
Weight	0.22 kg
Dimensions - h / w / d	30 x 110 x 97 mm

STANDARDS AND PROTOCOLS

Standard	Note
Communication bus	Satel Integra
Communication bus	M-BUS (ABI systems)
Communication bus	BUS 2 (MB SECURE systems)
Communication bus	paradox EVO

EMC & SAFETY

Standard	Note
EN 55035	Immunity requirements
EN 55032	Emission requirements
EN 50130-4 ed. 2	Conforms
EN 50131-1	Grade 4 (IHAS systems)
EN 62368-1	Safety requirements
EN IEC 63000	ROHS
EN 61000-4-2-air discharge	4 kV
EN 61000-4-2-contact discharge	4 kV
EN 61000-4-3	10 V/m
EN 61000-4-4	0.5 kV
EN 61000-4-5	0.5 kV
EN 61000-4-8	30 A/m

NOTES

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

Document created on: 4/17/2024, 10:56:12 AM