V 3025

TREZOR TEST s. r. o.
Na Vršku 67, 250 67 Klecany
CERTIFICATION BODY No. 3025
ACCREDITED BY
THE CZECH ACCREDITATION INSTITUTE

CERTIFICATE OF CONFORMITY

Registration number: TT – 215/2024
for
METEL s.r.o.
Žižkův kopec 617, 552 03 Česká Skalice, Czech Republic

PRODUCT: Industrial managed switch series 2G
2G - industrial managed switch [1]
20G - industrial managed switch [2]
miniLAN – converter RS485 and BUS-2 to LAN [3]
Digital optoconverter 2x RS485 [4]
[1] 2G-2S.0.3.F-BOX-PoE-PP; 2G-2S.1.4.F-BOX-PoE-PP;
   2G-2C.0.8.F-BOX-PoE-PP
[2] 20G-2X.1.16.F-PoE-320-UNIT/1U
[3] miniLAN-4B2-BOX;
[4] RDW-S-4C-BOX; TDW-S-4C-BOX; RDW-S-PDS-BOX;
   TDW-S-PDS-BOX
including type variants, see Appendix No. 1
Producer: METEL s.r.o.,
Žižkův kopec 617, 552 03 Česká Skalice, Czech Republic
CZ-CPA 27.90.11

CLASSIFICATION: The product is in accordance with the certification schema CS TT 1a/2020
(based on scheme 1a EN ISO/IEC 17067:2013, based on testing).
and in conformity with requirements of

Security Grade 4,
Environmental Class II

according to EN 50131-1:2006, EN 50131-3:2009
within the scope of the certification procedure of the NBU, Appendix No. 3

The certificate is issued within the scope of accreditation granted by certificate No. 77/2022 issued by
ČIA on 14 February 2022 on the basis of amendment certification protocol No. CE 65/2024.

Chairman of the Certification board   Deputy chairman of the Certification board
CO No. 3025   CO No. 3025
Ing. Ladislav Polák   Ing. Daniela ČÍŽKOVÁ

Date of publication: 02.05.2024
Certification date: 02.05.2024
Certification expiration date: 02.05.2027

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► NOTICE ◄

ON THE VALIDITY OF THE CERTIFICATE OF CONFORMITY

The certificate of conformity applies only to the tested and certified product within the scope of the normative document or decree and its specification mentioned above.

Unauthorized or misleading use of the certificate may result in its withdrawal.

The certification body shall require the holder of the certificate to keep a record of complaints and corrective actions concerning the certified product and to inform the certification body of these facts without delay.

Items subsequently produced are not covered by this certificate.

Certification body No. 3025
Company TREZOR TEST s.r.o.
Na Vršku 67, 250 67 Klecany

Appendix 1 is an integral part of
the certificate no.   TT – 215/2024
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Product composition:

1)	2G-2S.0.3.F-BOX-PoE	Industrial switch for RING topology with 2x SFP slot, 3x FE PoE port, 2x DI with balanced loop support, 1x programmable NO/NC RELAY output, 2x RS485/1x RS422 BUS (support for MODBUS modules, TCP server, UDP mode), USB port for local management, redundant power input, fine surge protections, EVENT MANAGEMENT: SMTP, TCP events, ETH events, HTTP client (camera control), 8x IPWatchdog.... , operating temperature – 40...+70°C, VLAN, QoS, IGMP, SNMPv2/v3, SNTP, environment class II.
2)	2G-2S.1.4.F-BOX-PoE-PP	Industrial switch for RING topology with 2x SFP slot, 1x GE port, 4x Fast Ethernet port with PoE, support UPOE, POH, 802.3af/at/bt, max. 95W per port, maximum total PoE power across all ports is 170W, 1000A FE port surge protectors, 2x DI with balanced loop support, 1x programmable NO/NC RELAY output, 2x RS485 / 1x RS422 BUS (MODBUS module support, TCP server, UDP mode), USB port for local management, redundant power input, surge protectors on all inputs, EVENT MANAGEMENT: SMTP, TCP events, ETH events, HTTP client (camera management), 8x IPWatchdog, operating temperature -40...+70°C, VLAN, QoS, IGMP, SNMPv2/v3, SNTP, environment class II.
3)	2G-2C.0.8.F-BOX-PoE-PP	Industrial switch for RING topology with 2x SFP slot, 8x Fast Ethernet port with PoE, support UPOE, POH, 802.3af/at/bt, PoE limits: max. 270W for the whole switch / 170W for ports 1-4 or 5-8 and max. 95W per port, maximum total PoE power drawn over all ports is 270W, surge protectors FE ports 1000A, 2x DI with support for balanced loops, 1x programmable NO/NC RELAY output, 2x RS485 / 1x RS422 BUS (support for MODBUS modules, TCP server, UDP mode), USB port for local management, redundant power input, surge protection on all inputs, EVENT MANAGEMENT: SMTP, TCP events, ETH events, HTTP client (camera control), 8x IPWatchdog.... , operating temperature –40...+70°C, VLAN, QoS, IGMP, SNMPv2/v3, SNTP, environment class II.
4)	20G-2X.1.16.F-POE-320-UNIT/1U	Industrial managed switch 19"/1U supporting redundant LAN-RING topology with ports: 2x SFP+ slot 10 GBASE-R / 1000 BASE-X, 1x RJ45 port 10/100/1000 BASE-T, 16x RJ45 port 10/100 BASE-T with PoE, 2x RS485 / Modbus-RTU bus, 2x digital/alarm input, 1x programmable relay output, 3 independent power inputs, Redundant LAN-RING topology, RSTP, Surge protection up to 30A (8/20μs), Event management: IP Watchdogs, HTTP/ONVIF client, ETH/TCP events, Modbus, DI/relay/alarm. Loops..., VLAN, QoS, SNMP, SMTP, SNTP, IGMPv1/2, RSTP, LLDP, 802.1X, Operating temperature from -30°C to +50°C. 320W internal power supply. Environment class II.
5)	miniLAN-4B2-BOX	Dual channel RS485/BUS-2 to LAN converters. 1x Ethernet port, 2x RS485/BUS-2 bus, Modbus RTU/TCP, TCP-server/TCP-client, LAN/RS port conversion speed from 3ms, 600W surge protection for all ports, Encrypted SNMPv3 management, Operating temperature from -40°C to +70°C, Component operating temperature from -40°C to +85°C, environment class II
6)	RDW-S-4C-BOX	Industrial digital optoconverter - 2xRS485 or 1xRS422 bus, 1x bidirectional contact and 1x LOCK relay for detection of optical fiber interruption, opposite device failure and power failure, environment class II.

7)	TDW-S-4C-BOX	Industrial digital optoconverter - 2xRS485 or 1xRS422 bus, 1x bidirectional contact and 1x LOCK relay for detection of optical fiber interruption, opposite device failure and power failure, environment class II.
8)	RDW-S-PDS-BOX	MM/SM universal optical converter for ABI, MB SECURE, PARADOX EVO, SATEL INTEGRA system buses. 1x SC/PC optical connector (CWDM), 2x data BUS, 1x LOCK NO/NC relay, Surge protection, Digital modulation, environment class II
9)	TDW-S-PDS-BOX	MM/SM universal optical converter for system buses ABI, MB SECURE, PARADOX EVO, SATEL INTEGRA. 1x SC/PC optical connector (CWDM), 2x data BUS, Surge protection, Digital modulation, environment class II

Type variants:

2G – industrial managed switch
2G-2S.0.2.F-BOX-POE-PP
2G-2S.3.0.F-BOX (-PoE-PP)

20G – industrial managed switch
20G-2X.8C.0.F-UNIT/1U
20G-2X.1.16.F-POE-750-UNIT/1U
20G-2X.1.24.F-POE-750-UNIT/1U