# FO converters - PSI-MOS-RS485W2/FO 850 E - 2708339

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FO converter with integrated optical diagnostics, alarm contact, for RS-485 2-wire bus systems (SUCONET K, Modbus ...) up to 500 kbps, NRZ coding, terminal device with one FO interface (BFOC), 850 nm, for PCF/ fiberglass cable (multimode)

## Product Description

The PSI-MOS-RS485W2/FO... FO converters convert the electrical data signal into an optical one by protocol transparent means.
The integrated optical diagnostics allow permanent monitoring of the FO paths during installation and also during operation. The floating switch contact is activated when the signal output on the fiber optic paths drops to a critical level.
The PSI-MOS-RS485W2/FO... E termination devices convert an RS-485 interface to a fiber optic cable. They are ideal for point-to-point connections.

## Your advantages

- Can be combined with the PSI copper repeater in a modular way using DIN rail connectors
- Supply voltage and data signals routed through the DIN rail connectors
- Connections can be plugged in via a COMBICON screw terminal block
- Automatic data rate detection or fixed data rate setting via DIP switches
- High-quality electrical isolation between all interfaces (RS-485 // fiber optic ports // power supply // DIN rail connector)
- Redundant power supply possible by means of optional system power supply unit
- Approved for use in zone 2
- Intrinsically safe fiber optic interface (Ex op is) for direct connection to devices in zone 1
- Integrated optical diagnostics for continuous monitoring of FO paths
- Floating switch contact for advance warning of critical FO paths
- Suitable for data rates up to 500 kbps
- Bit retiming for any cascading depth
- Shipbuilding approval in accordance with DNV GL

## Key Commercial Data

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| Packing unit | 1 pc |
| GTIN | 4 017918 974039 |
| GTIN | 4017918974039 |

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| Weight per Piece (excluding packing) | 230.200 g |
| Custom tariff number | 85176200 |
| Country of origin | Germany |