

Accessories

Fiber-optic receiver

Fiber-optic receiver, standard rail, input 2x fiber-optic



Features

- Receiver for up to two fiber-optic signals for the redundant LWL emitter
- Reconversion of optical signals into electrical signals and generation of status signals
- Highest reliability by redundant data transmission
- Transmission error detection via checksum (CRC)
- High-precision transmission of incremental signals (Jitter <100 ns)
- Rapid, constant throughput time even at maximum cable length (<5 µs)
- Automatic channel switchover in realtime upon failure of one fiber-optic channel

Part number

LWL EHR Fiber-optic receiver, standard rail, input 2x fiber-optic

Suitable for

HTL and TTL encoder

Technical data

Voltage supply	9...30 VDC
Consumption w/o load	≤300 mA
Start time	<500 ms
Outputs	HTL (power linedriver) TTL (RS422)
Output signals	K1, K2, K0, Err + inverted Status S1, status S2, sum status (SSum)
Output frequency	≤300 kHz (HTL) ≤1 MHz (TTL)
Output level	HTL: LOW: ≤0,2 UB; HIGH: ≥0,8 UB TTL: LOW: ≤0,7 V; HIGH: ≥3 V
Status output	S1, S2 (configurable)
Inputs	2x fiber-optic, 2x error acknowledgement (Ack)
Input signals	LWL 1, LWL 2
Input level	Ack >2.5 V
Connection	Screw terminal connector 2x ST connector
Housing type	Mounting on standard rails according to EN 50022 width 100 mm, height 75 mm, depth 53 mm
LED operating status	1x power LED (green) 1x overload LED (red) 1x status LED (green) each channel 1x error LED (red) each channel 1x link LED (green) each channel

Dimensions

