



Housing material PBT (Polybutyleneterephthalat)
Optical window material Mineral glass

- Exchangeable head
- Protection against mutual interference (Two paths switchable)
- Reserve function
- Terminal compartment
- IP 67
- Scratch resistant mineral glass window
- Programmable:
 - Baud rate
 - Optical path number
 - Handshake

DIP switch	Function	Off	On
1 and 2	Baud rate	See below	
3	Handshake	-	XON/XOFF
4	Path number	1	2
5	Not used		

Setting the baud rate using DIP switches 1 and 2			
Baud rate	2	1	
1200	off	off	
2400	off	on	
9600	on	off	
19200	on	on	

Connection:

- Terminal 1 + Supply voltage
- Terminal 3 - Supply voltage and GND (Signal)
- Terminal 5 RxD RS232/V.24
- Terminal 6 TxD RS232/V.24
- Terminal 2 DCD switch output
- Terminal 4 DCD V.24

Type coding	OD30M+U1+R2
Nominal ratings Range Max. offset angle Extraneous light limit Modulation type Ambient temperature Humidity Resistance to shock Vibration response Indicators LED green LED red flashing LED red resettable Acc. to EMC	30 m $\pm 1.5^\circ$ >10 000 Lux Pulse Length Modulation -25 °C ... +75 °C Max. 85 % noncondensing 500 m/s ² , 10 times in each of X, Y and Z directions A = 1.5 mm, 10 Hz ... 30 Hz; "Power on" Reserve function IR error DCD EN 60947-5-2

Electrical data Operating voltage U_B Interface RS232 Quiescent current consumption Transmission format Transmission rate Software handshake XON/XOFF Programming Data carrier detect 1 (DCD) Data carrier detect 2 (DCD) Light source	10 VDC ... 30 VDC, Residual ripple < 10 % V.24 80 mA Serial RS232, 8 data bit, no parity bit 1200 baud ... 9200 baud, full duplex, 19200 half duplex adjustable 5 way DIP switch 100 mA (k) pnp, high active (operation ok) V.24 level IR
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Mechanical data Protection class to DIN 40050 Optical windows Housing Connection	IP67 Glass double lens system Plastic Terminal compartment < 2.5 mm ²
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Date of issue 21.06.2000