

CE

Properties

- Serial interface
- Data rate up to 19.2 kBaud
- Connector version
- Visible red and infrared light versions

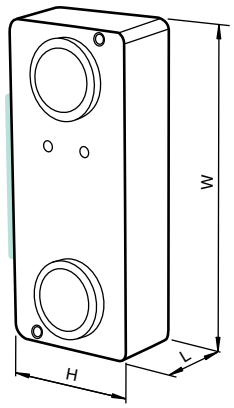
Technical Data

*For detailed data and product description refer to the data sheets at **www.pepperl-fuchs.com***

General Data	
Response delay	40 µs
Interface type	RS 232, RS 422, CL20 mA active/passive switchable
Operating voltage	24 V DC ± 25 %
No-load supply current	200 mA
Data rate	0 ... 19.2 kBit/s
Operation frequency	F1 = 83 kHz F2 = 118 kHz
Data sampling blanking	Input for incoming data blanking with +24 V DC
Pre-fault indication output	2 PNP-outputs, short-circuit protected, 30 V DC 0.1 A activated for single or sufficient stability control
Measurement output	+1.8 ... 5.8 V DC, max. 10 mA, simple stability control: 2.5 V triple stability control: 4.2 V
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Housing	aluminum
Protection degree	IP65
Connection	25-pin Sub-D connector



Model Number		DAD30-W	DAD30	DAD30-RT	DAD30/35	DAD30-RT/35
Threshold detection range	20 m	●				
	45 m		●	●		
	150 m				●	●
Effective detection range	0 ... 15 m	●				
	0 ... 30 m		●	●		
	0 ... 100 m				●	●
Light type	modulated infrared light	●	●		●	
	modulated visible red light			●		●
Diameter of the light spot	4200 mm at a distance of 15 m	●				
	500 mm at a distance of 30 m		●	●		
	1800 mm at a distance of 100 m				●	●
Optical face	glass	●				
	plastic lens		●	●	●	●
Dimensions						
Length L [mm]				34		
Width W [mm]				150		
Height H [mm]				64		



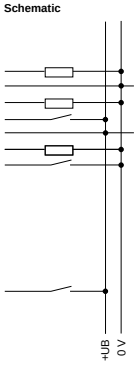
Electrical Connection



DAD30
DAD30/35
DAD30-RT
DAD30-RT/35
DAD30-W

Pin	Function	Description
2	RX232	RS 232 input
3	TX232	RS 232 output
5	TX-N	RS 422 Data- (A-output)
6	Alarm 1	1-fold stability control
7	0 V	- supply voltage
9	Analog	Measure output
10	RX-DIS	Data blanking
11	+UB	+ supply voltage
12	Alarm 2	sufficient stability control
13	RX-DIS/TTL	Data disable
14	RX-P	RS 422 (B-input)
15	RX-N	RS 422 (A-input)
16	TX-P	RS 422 (B-output)
17	TX-N	RS 422 (A-output)
18	CL-IN+	Current loop input
19	CL-IN-	Current loop input
21	CL-OUT-	Current loop output
22	TX-DIS	Emitter disable
25	CL-OUT+	Current loop output
1, 4, 5, 8, 20, 23, 24	-	not connected

Schematic



Date of issue: 2012/08/09