

Technical data sheet

Optical data transmission

Part no.: 50036303
DDLS 200/200.2-40-H

Contents

- Technical data
- Electrical connection
- Operation and display
- Suitable transmitters



For illustration purposes only



Technical data

Basic data	
Series	DDLS 200

Special version	
Special version	Heating
	Not influenced by reflective surfaces
	Operation of parallel light axes

Optical data	
Working range	200 ... 200,000 mm
Light source	LED
Transmission frequency	F2
Opening angle	1 °

Electrical data	
Performance data	
Supply voltage U _B	18 ... 30 V, DC
Outputs	
Number of digital switching outputs	1 Piece(s)

Interface	
Type	Rockwell DH+/RIO
Rockwell DH+/RIO	
Transmission speed	57.6 ... 230.4 kBit/s

Connection	
Number of connections	3 Piece(s)
Connection 1	
Type of connection	Terminal
Cable gland	M16
No. of pins	8 -pin
Connection 2	
Type of connection	Terminal
Cable gland	M16
No. of pins	6 -pin

Mechanical data	
Dimension (W x H x L)	89.25 mm x 196.5 mm x 111.8 mm
Housing material	Metal
Net weight	1,245 g

Operation and display	
Type of display	Bar graph
	LED

Environmental data	
Ambient temperature, operation	-30 ... 50 °C
Ambient temperature, storage	-30 ... 70 °C

Certifications	
Degree of protection	IP 65
Certifications	c UL US
Test procedure for EMC in accordance with standard	EN 61000-6-2:2005
	EN 61000-6-4:2001
Test procedure for noise in accordance with standard	EN 60068-2-64
Test procedure for oscillation in accordance with standard	EN 60068-2-6
Test procedure for shock in accordance with standard	EN 60068-2-27
	EN 60068-2-29

Classification	
Customs tariff number	84718000
ECLASS 5.1.4	19039001
ECLASS 8.0	19179090
ECLASS 9.0	19179090
ECLASS 10.0	19170506
ECLASS 11.0	19170506
ECLASS 12.0	19170506
ECLASS 13.0	19170506
ECLASS 14.0	19170506
ETIM 5.0	EC000515
ETIM 6.0	EC000515
ETIM 7.0	EC000515
ETIM 8.0	EC000515
ETIM 9.0	EC000515

Electrical connection

Connection 1	
Function	Voltage supply
Type of connection	Terminal
Cable gland	M16
No. of pins	8 -pin

Electrical connection

Terminal	Assignment
1	OUT WARN
2	PE
3	GND
4	VIN
5	IN 1
6	PE
7	GND
8	VIN

Connection 2

Function	Data interface
Type of connection	Terminal
Cable gland	M16
No. of pins	6 -pin

Terminal	Assignment
1	Data
2	Shield
3	Data
4	Data
5	Shield
6	Data
7	n.c.
8	n.c.
9	n.c.
10	n.c.
11	n.c.
12	n.c.

Operation and display

LED	Display	Meaning
1	Green	Operating mode
2	Green	PWR
3	Green	TRANSMIT DATA (Tx)
4	Green	RECEIVE DATA (Rx)

Suitable transmitters

	Part no.	Designation	Article	Description
	50036302	DDLS 200/200.1-40-H	Optical data transmission	Special version: Heating, Not influenced by reflective surfaces, Operation of parallel light axes Working range: 200 ... 200,000 mm Transmission frequency: F1 Interface: Rockwell DH+ /RIO Connection: Terminal, M16