Technical data sheet
Optical data transmission
Part no.: 50039941
DDLS 200/300.1-50

For Illustration purposes only

Contents

Technical data

Basic data

Series	DDLS 200

Special version

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

Optical data

Working range	200 ... 300,000 mm
Light source	LED
Transmission frequency	F1
Opening angle	1 °

Electrical data

Performance data

Supply voltage U_B	18 ... 30 V, DC

Inputs

Number of digital switching inputs	1 Piece(s)

Outputs

Number of digital switching outputs	1 Piece(s)

Interface

Type	CANopen, DeviceNet

CANopen

Transmission speed	10 ... 1,000 kBit/s

DeviceNet

Transmission speed	125 ... 500 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	5 -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	-5 ... 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	5 -pin

Terminal	Assignment
1	V-
2	CAN L
3	Drain
4	CAN H
5	V+
6	V-
7	CAN L
8	Drain
9	CAN H
10	V+

Operation and display

LED	Display	Meaning
1	Green	Operating mode
2	Green	PWR
3	Green	TRANSMIT DATA (Tx)
4	Green	RECEIVE DATA (Rx)
5	Yellow	BUF
6	Yellow	ERPA
7	Yellow	BOFF

Suitable receivers

	Part no.	Designation	Article	Description
	50039942	DDLS 200/300.2-50	Optical data transmission	Special version: Operation of parallel light axes, Not influenced by reflective surfaces Working range: 200 ... 300,000 mm Transmission frequency: F2 Interface: CANopen, DeviceNet Connection: Terminal, M16