

## /// DDLS 200



Infrared data transmission protects this series from interference. Systems are available for all common industrial interfaces. The ranges are stepped and reach a maximum transmission distance of 500 m.



### Benefits:

- Ranges up to 500 m possible
- Transmission rates up to 2 Mbit/s
- Network interfaces with integrated repeater function
- Low ambient light sensitivity through special FSK method
- Interfaces: PROFIBUS, Interbus and CAN/ DeviceNet

Part no.	Part description	Operating range	Interface	Opening angle	Transmission speed	Connection 1 Connection 2	Description
<b>CANopen, DeviceNet interface</b>							
50122268	▶ DDLS 200/80.2-50-W-M12	200 ... 80,000 mm	CANopen, DeviceNet	2 °	10 ... 1,000 / 125 ... 500 kBit/s	Connector, M12, 5-pin Connector, M12, 5-pin	Wide angle version, Operation of parallel light axes, not influenced by reflective surfaces
50122267	◀ DDLS 200/80.1-50-W-M12	200 ... 80,000 mm	CANopen, DeviceNet	2 °	10 ... 1,000 / 125 ... 500 kBit/s	Connector, M12, 5-pin Connector, M12, 5-pin	Wide angle version, Operation of parallel light axes, not influenced by reflective surfaces
50039937	▶ DDLS 200/120.1-50	200 ... 120,000 mm	CANopen, DeviceNet	1 °	10 ... 1,000 / 125 ... 500 kBit/s	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50039938	◀ DDLS 200/120.2-50	200 ... 120,000 mm	CANopen, DeviceNet	1 °	10 ... 1,000 / 125 ... 500 kBit/s	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50039943	▶ DDLS 200/120.1-50-H	200 ... 120,000 mm	CANopen, DeviceNet	1 °	10 ... 1,000 / 125 ... 500 kBit/s	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50039944	◀ DDLS 200/120.2-50-H	200 ... 120,000 mm	CANopen, DeviceNet	1 °	10 ... 1,000 / 125 ... 500 kBit/s	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces

▶ transmitter / ◀ receiver

Part no.	Part description	Operating range	Interface	Opening angle	Transmission speed	Connection 1 Connection 2	Description
50113046	▶ DDLS 200/120.1-50-M12	200 ... 120,000 mm	CANopen, DeviceNet	1 °	10 ... 1,000 / 125 ... 500 kBit/s	Connector, M12, 5-pin Connector, M12, 5-pin	Operation of parallel light axes, not influenced by reflective surfaces
50113045	◀ DDLS 200/120.2-50-M12	200 ... 120,000 mm	CANopen, DeviceNet	1 °	10 ... 1,000 / 125 ... 500 kBit/s	Connector, M12, 5-pin Connector, M12, 5-pin	Operation of parallel light axes, not influenced by reflective surfaces
50039939	▶ DDLS 200/200.1-50	200 ... 200,000 mm	CANopen, DeviceNet	1 °	10 ... 1,000 / 125 ... 500 kBit/s	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50039940	◀ DDLS 200/200.2-50	200 ... 200,000 mm	CANopen, DeviceNet	1 °	10 ... 1,000 / 125 ... 500 kBit/s	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50039945	▶ DDLS 200/200.1-50-H	200 ... 200,000 mm	CANopen, DeviceNet	1 °	10 ... 1,000 / 125 ... 500 kBit/s	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50039946	◀ DDLS 200/200.2-50-H	200 ... 200,000 mm	CANopen, DeviceNet	1 °	10 ... 1,000 / 125 ... 500 kBit/s	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50125767	▶ DDLS 200/200.1-50-M12	200 ... 200,000 mm	CANopen, DeviceNet	1 °	10 ... 1,000 / 125 ... 500 kBit/s	Connector, M12, 5-pin Connector, M12, 5-pin	Operation of parallel light axes, not influenced by reflective surfaces
50125768	◀ DDLS 200/200.2-50-M12	200 ... 200,000 mm	CANopen, DeviceNet	1 °	10 ... 1,000 / 125 ... 500 kBit/s	Connector, M12, 5-pin Connector, M12, 5-pin	Operation of parallel light axes, not influenced by reflective surfaces
50039941	▶ DDLS 200/300.1-50	200 ... 300,000 mm	CANopen, DeviceNet	1 °	10 ... 1,000 / 125 ... 500 kBit/s	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50039942	◀ DDLS 200/300.2-50	200 ... 300,000 mm	CANopen, DeviceNet	1 °	10 ... 1,000 / 125 ... 500 kBit/s	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50039947	▶ DDLS 200/300.1-50-H	200 ... 300,000 mm	CANopen, DeviceNet	1 °	10 ... 1,000 / 125 ... 500 kBit/s	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50039948	◀ DDLS 200/300.2-50-H	200 ... 300,000 mm	CANopen, DeviceNet	1 °	10 ... 1,000 / 125 ... 500 kBit/s	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces

## PROFIBUS DP, RS 485 interface

50039704	▶ DDLS 200/30.1-10-W	200 ... 30,000 mm	PROFIBUS DP, RS 485	3 °	0.0096 ... 1.5 Mbps	Terminal, M16 Terminal, M16	Wide angle version, Operation of parallel light axes, not influenced by reflective surfaces
50039705	◀ DDLS 200/30.2-10-W	200 ... 30,000 mm	PROFIBUS DP, RS 485	3 °	0.0096 ... 1.5 Mbps	Terminal, M16 Terminal, M16	Wide angle version, Operation of parallel light axes, not influenced by reflective surfaces
50102312	▶ DDLS 200/80.1-10-W	200 ... 80,000 mm	PROFIBUS DP, RS 485	2 °	0.0096 ... 1.5 Mbps	Terminal, M16 Terminal, M16	Wide angle version, Operation of parallel light axes, not influenced by reflective surfaces
50102313	◀ DDLS 200/80.2-10-W	200 ... 80,000 mm	PROFIBUS DP, RS 485	2 °	0.0096 ... 1.5 Mbps	Terminal, M16 Terminal, M16	Wide angle version, Operation of parallel light axes, not influenced by reflective surfaces
50102494	▶ DDLS 200/80.1-10-W-H	200 ... 80,000 mm	PROFIBUS DP, RS 485	2 °	0.0096 ... 1.5 Mbps	Terminal, M16 Terminal, M16	Heating, wide angle version, Operation of parallel light axes, not influenced by reflective surfaces
50102495	◀ DDLS 200/80.2-10-W-H	200 ... 80,000 mm	PROFIBUS DP, RS 485	2 °	0.0096 ... 1.5 Mbps	Terminal, M16 Terminal, M16	Heating, wide angle version, Operation of parallel light axes, not influenced by reflective surfaces
50036282	▶ DDLS 200/120.1-10	200 ... 120,000 mm	PROFIBUS DP, RS 485	1 °	0.0096 ... 1.5 Mbps	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50036283	◀ DDLS 200/120.2-10	200 ... 120,000 mm	PROFIBUS DP, RS 485	1 °	0.0096 ... 1.5 Mbps	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50036286	▶ DDLS 200/120.1-10-H	200 ... 120,000 mm	PROFIBUS DP, RS 485	1 °	0.0096 ... 1.5 Mbps	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50036287	◀ DDLS 200/120.2-10-H	200 ... 120,000 mm	PROFIBUS DP, RS 485	1 °	0.0096 ... 1.5 Mbps	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50106029	▶ DDLS 200/120.1-10-H-M12	200 ... 120,000 mm	PROFIBUS DP, RS 485	1 °	0.0096 ... 1.5 Mbps	Connector, M12, 5-pin Connector, M12, 5-pin	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50106030	◀ DDLS 200/120.2-10-H-M12	200 ... 120,000 mm	PROFIBUS DP, RS 485	1 °	0.0096 ... 1.5 Mbps	Connector, M12, 5-pin Connector, M12, 5-pin	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50106023	▶ DDLS 200/120.1-10-M12	200 ... 120,000 mm	PROFIBUS DP, RS 485	1 °	0.0096 ... 1.5 Mbps	Connector, M12, 5-pin Connector, M12, 5-pin	Operation of parallel light axes, not influenced by reflective surfaces
50106024	◀ DDLS 200/120.2-10-M12	200 ... 120,000 mm	PROFIBUS DP, RS 485	1 °	0.0096 ... 1.5 Mbps	Connector, M12, 5-pin Connector, M12, 5-pin	Operation of parallel light axes, not influenced by reflective surfaces
50036280	▶ DDLS 200/200.1-10	200 ... 200,000 mm	PROFIBUS DP, RS 485	1 °	0.0096 ... 1.5 Mbps	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50036281	◀ DDLS 200/200.2-10	200 ... 200,000 mm	PROFIBUS DP, RS 485	1 °	0.0096 ... 1.5 Mbps	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50036284	▶ DDLS 200/200.1-10-H	200 ... 200,000 mm	PROFIBUS DP, RS 485	1 °	0.0096 ... 1.5 Mbps	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50036285	◀ DDLS 200/200.2-10-H	200 ... 200,000 mm	PROFIBUS DP, RS 485	1 °	0.0096 ... 1.5 Mbps	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces

▶ transmitter / ◀ receiver

Part no.	Part description	Operating range	Interface	Opening angle	Transmission speed	Connection 1 Connection 2	Description
50106031	► DDLS 200/200.1-10-H-M12	200 ... 200,000 mm	PROFIBUS DP, RS 485	1°	0.0096 ... 1.5 Mbps	Connector, M12, 5-pin Connector, M12, 5-pin	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50106032	◄ DDLS 200/200.2-10-H-M12	200 ... 200,000 mm	PROFIBUS DP, RS 485	1°	0.0096 ... 1.5 Mbps	Connector, M12, 5-pin Connector, M12, 5-pin	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50106025	► DDLS 200/200.1-10-M12	200 ... 200,000 mm	PROFIBUS DP, RS 485	1°	0.0096 ... 1.5 Mbps	Connector, M12, 5-pin Connector, M12, 5-pin	Operation of parallel light axes, not influenced by reflective surfaces
50106026	◄ DDLS 200/200.2-10-M12	200 ... 200,000 mm	PROFIBUS DP, RS 485	1°	0.0096 ... 1.5 Mbps	Connector, M12, 5-pin Connector, M12, 5-pin	Operation of parallel light axes, not influenced by reflective surfaces
50038284	► DDLS 200/300.1-10	200 ... 300,000 mm	PROFIBUS DP, RS 485	1°	0.0096 ... 1.5 Mbps	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50038285	◄ DDLS 200/300.2-10	200 ... 300,000 mm	PROFIBUS DP, RS 485	1°	0.0096 ... 1.5 Mbps	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50038286	► DDLS 200/300.1-10-H	200 ... 300,000 mm	PROFIBUS DP, RS 485	1°	0.0096 ... 1.5 Mbps	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50038287	◄ DDLS 200/300.2-10-H	200 ... 300,000 mm	PROFIBUS DP, RS 485	1°	0.0096 ... 1.5 Mbps	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50106033	► DDLS 200/300.1-10-H-M12	200 ... 300,000 mm	PROFIBUS DP, RS 485	1°	0.0096 ... 1.5 Mbps	Connector, M12, 5-pin Connector, M12, 5-pin	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50106034	◄ DDLS 200/300.2-10-H-M12	200 ... 300,000 mm	PROFIBUS DP, RS 485	1°	0.0096 ... 1.5 Mbps	Connector, M12, 5-pin Connector, M12, 5-pin	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50106027	► DDLS 200/300.1-10-M12	200 ... 300,000 mm	PROFIBUS DP, RS 485	1°	0.0096 ... 1.5 Mbps	Connector, M12, 5-pin Connector, M12, 5-pin	Operation of parallel light axes, not influenced by reflective surfaces
50106028	◄ DDLS 200/300.2-10-M12	200 ... 300,000 mm	PROFIBUS DP, RS 485	1°	0.0096 ... 1.5 Mbps	Connector, M12, 5-pin Connector, M12, 5-pin	Operation of parallel light axes, not influenced by reflective surfaces
50040131	► DDLS 200/500.1-10	200 ... 500,000 mm	PROFIBUS DP, RS 485	1°	0.0096 ... 0.09375 Mbps	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50040132	◄ DDLS 200/500.2-10	200 ... 500,000 mm	PROFIBUS DP, RS 485	1°	0.0096 ... 0.09375 Mbps	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50040133	► DDLS 200/500.1-10-H	200 ... 500,000 mm	PROFIBUS DP, RS 485	1°	0.0096 ... 0.09375 Mbps	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50040134	◄ DDLS 200/500.2-10-H	200 ... 500,000 mm	PROFIBUS DP, RS 485	1°	0.0096 ... 0.09375 Mbps	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces

## RS 422, Interbus-S interface

50041339	► DDLS 200/30.1-20-W	200 ... 30,000 mm	RS 422, Interbus-S	3°	2 Mbit/s	Terminal, M16 Terminal, M16	Wide angle version, Operation of parallel light axes, not influenced by reflective surfaces
50041338	◄ DDLS 200/30.2-20-W	200 ... 30,000 mm	RS 422, Interbus-S	3°	2 Mbit/s	Terminal, M16 Terminal, M16	Wide angle version, Operation of parallel light axes, not influenced by reflective surfaces
50106252	► DDLS 200/80.1-20-W	200 ... 80,000 mm	RS 422, Interbus-S	2°	2 Mbit/s	Terminal, M16 Terminal, M16	Wide angle version, Operation of parallel light axes, not influenced by reflective surfaces
50106253	◄ DDLS 200/80.2-20-W	200 ... 80,000 mm	RS 422, Interbus-S	2°	2 Mbit/s	Terminal, M16 Terminal, M16	Wide angle version, Operation of parallel light axes, not influenced by reflective surfaces
50036290	► DDLS 200/120.1-20	200 ... 120,000 mm	RS 422, Interbus-S	1°	2 Mbit/s	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50036291	◄ DDLS 200/120.2-20	200 ... 120,000 mm	RS 422, Interbus-S	1°	2 Mbit/s	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50036294	► DDLS 200/120.1-20-H	200 ... 120,000 mm	RS 422, Interbus-S	1°	2 Mbit/s	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50036295	◄ DDLS 200/120.2-20-H	200 ... 120,000 mm	RS 422, Interbus-S	1°	2 Mbit/s	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50036288	► DDLS 200/200.1-20	200 ... 200,000 mm	RS 422, Interbus-S	1°	2 Mbit/s	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50036289	◄ DDLS 200/200.2-20	200 ... 200,000 mm	RS 422, Interbus-S	1°	2 Mbit/s	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50036292	► DDLS 200/200.1-20-H	200 ... 200,000 mm	RS 422, Interbus-S	1°	2 Mbit/s	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50036293	◄ DDLS 200/200.2-20-H	200 ... 200,000 mm	RS 422, Interbus-S	1°	2 Mbit/s	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50038288	► DDLS 200/300.1-20	200 ... 300,000 mm	RS 422, Interbus-S	1°	2 Mbit/s	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50038289	◄ DDLS 200/300.2-20	200 ... 300,000 mm	RS 422, Interbus-S	1°	2 Mbit/s	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces

► transmitter / ◄ receiver

Switching  
sensorsMeasuring  
sensorsProducts for  
safety at work

Identification

Data transmission /  
Control componentsIndustrial image  
processing

Accessories

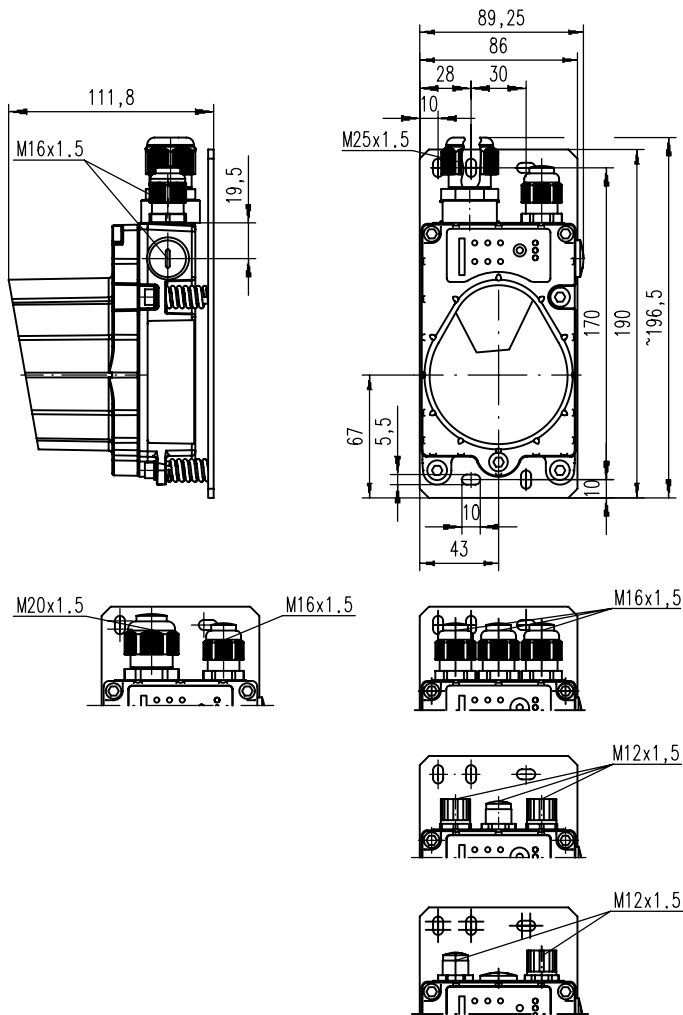
Part no.	Part description	Operating range	Interface	Opening angle	Transmission speed	Connection 1 Connection 2	Description
50038290	► DDLS 200/300.1-20-H	200 ... 300,000 mm	RS 422, Interbus-S	1 °	2 Mbit/s	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50038291	◄ DDLS 200/300.2-20-H	200 ... 300,000 mm	RS 422, Interbus-S	1 °	2 Mbit/s	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50040135	► DDLS 200/500.1-20	200 ... 500,000 mm	RS 422, Interbus-S	1 °	2 Mbit/s	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50040136	◄ DDLS 200/500.2-20	200 ... 500,000 mm	RS 422, Interbus-S	1 °	2 Mbit/s	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50040137	► DDLS 200/500.1-20-H	200 ... 500,000 mm	RS 422, Interbus-S	1 °	2 Mbit/s	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50040138	◄ DDLS 200/500.2-20-H	200 ... 500,000 mm	RS 422, Interbus-S	1 °	2 Mbit/s	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces

## Rockwell DH+/RIO interface

50038300	► DDLS 200/120.1-40	200 ... 120,000 mm	Rockwell DH+/RIO	1 °	57.6 ... 230.4 Kbit/s	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50038301	◄ DDLS 200/120.2-40	200 ... 120,000 mm	Rockwell DH+/RIO	1 °	57.6 ... 230.4 Kbit/s	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50038302	► DDLS 200/120.1-40-H	200 ... 120,000 mm	Rockwell DH+/RIO	1 °	57.6 ... 230.4 Kbit/s	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50038303	◄ DDLS 200/120.2-40-H	200 ... 120,000 mm	Rockwell DH+/RIO	1 °	57.6 ... 230.4 Kbit/s	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50036300	► DDLS 200/200.1-40	200 ... 200,000 mm	Rockwell DH+/RIO	1 °	57.6 ... 230.4 Kbit/s	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50036301	◄ DDLS 200/200.2-40	200 ... 200,000 mm	Rockwell DH+/RIO	1 °	57.6 ... 230.4 Kbit/s	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50036302	► DDLS 200/200.1-40-H	200 ... 200,000 mm	Rockwell DH+/RIO	1 °	57.6 ... 230.4 Kbit/s	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50036303	◄ DDLS 200/200.2-40-H	200 ... 200,000 mm	Rockwell DH+/RIO	1 °	57.6 ... 230.4 Kbit/s	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50038296	► DDLS 200/300.1-40	200 ... 300,000 mm	Rockwell DH+/RIO	1 °	57.6 ... 230.4 Kbit/s	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50038297	◄ DDLS 200/300.2-40	200 ... 300,000 mm	Rockwell DH+/RIO	1 °	57.6 ... 230.4 Kbit/s	Terminal, M16 Terminal, M16	Operation of parallel light axes, not influenced by reflective surfaces
50038298	► DDLS 200/300.1-40-H	200 ... 300,000 mm	Rockwell DH+/RIO	1 °	57.6 ... 230.4 Kbit/s	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces
50038299	◄ DDLS 200/300.2-40-H	200 ... 300,000 mm	Rockwell DH+/RIO	1 °	57.6 ... 230.4 Kbit/s	Terminal, M16 Terminal, M16	Heating, Operation of parallel light axes, not influenced by reflective surfaces

► transmitter / ◄ receiver

## Dimensioned drawings: DDLS 200



DDLS 200 data transmission photoelectric sensor

## ACCESSORIES: DDLS 200

## Connection technology

## Connection cables

Part no.	Part description	Connection 1	No. of pins	Cable length	Interface	Sheathing material
50104555	K-D M12A-5P-2m-PVC	Connector, M12, axial, female	5-pin	2,000 mm		PVC
50104557	K-D M12A-5P-5m-PVC	Connector, M12, axial, female	5-pin	5,000 mm		PVC
50104559	K-D M12A-5P-10m-PVC	Connector, M12, axial, female	5-pin	10,000 mm		PVC
50106739	KB ET-2000-SA	Connector, M12, axial, male	4-pin	2,000 mm	Ethernet	PUR
50106740	KB ET-5000-SA	Connector, M12, axial, male	4-pin	5,000 mm	Ethernet	PUR
50106741	KB ET-10000-SA	Connector, M12, axial, male	4-pin	10,000 mm	Ethernet	PUR
50106742	KB ET-15000-SA	Connector, M12, axial, male	4-pin	15,000 mm	Ethernet	PUR
50106746	KB ET-30000-SA	Connector, M12, axial, male	4-pin	30,000 mm	Ethernet	PUR
50104188	KB PB-2000-SA	Connector, M12, axial, male	5-pin	2,000 mm	PROFIBUS DP	PUR
50104187	KB PB-5000-SA	Connector, M12, axial, male	5-pin	5,000 mm	PROFIBUS DP	PUR
50104186	KB PB-10000-SA	Connector, M12, axial, male	5-pin	10,000 mm	PROFIBUS DP	PUR
50104185	KB PB-15000-SA	Connector, M12, axial, male	5-pin	15,000 mm	PROFIBUS DP	PUR
50104182	KB PB-30000-SA	Connector, M12, axial, male	5-pin	30,000 mm	PROFIBUS DP	PUR
50104181	KB PB-2000-BA	Connector, M12, axial, female	5-pin	2,000 mm	PROFIBUS DP	PUR
50104180	KB PB-5000-BA	Connector, M12, axial, female	5-pin	5,000 mm	PROFIBUS DP	PUR
50104179	KB PB-10000-BA	Connector, M12, axial, female	5-pin	10,000 mm	PROFIBUS DP	PUR
50104178	KB PB-15000-BA	Connector, M12, axial, female	5-pin	15,000 mm	PROFIBUS DP	PUR
50104175	KB PB-30000-BA	Connector, M12, axial, female	5-pin	30,000 mm	PROFIBUS DP	PUR

Further connection cables can be found on our website

Switching sensors

Measuring sensors

Products for safety at work

Identification

Data transmission / Control components

Industrial image processing

Accessories

## Interconnection cables

Part no.	Part description	Connection 1	Connection 1, no. of pins	Connection 2	Connection 2, no. of pins	Cable length	Interface	Sheathing material
50104096	KB PB-1000-SBA	Connector, M12, axial, female	5-pin	Connector, M12, axial, male	5-pin	1,000 mm	PROFIBUS DP	PUR
50104097	KB PB-2000-SBA	Connector, M12, axial, female	5-pin	Connector, M12, axial, male	5-pin	2,000 mm	PROFIBUS DP	PUR
50104098	KB PB-5000-SBA	Connector, M12, axial, female	5-pin	Connector, M12, axial, male	5-pin	5,000 mm	PROFIBUS DP	PUR
50104099	KB PB-10000-SBA	Connector, M12, axial, female	5-pin	Connector, M12, axial, male	5-pin	10,000 mm	PROFIBUS DP	PUR
50104100	KB PB-15000-SBA	Connector, M12, axial, female	5-pin	Connector, M12, axial, male	5-pin	15,000 mm	PROFIBUS DP	PUR
50104173	KB PB-30000-SBA	Connector, M12, axial, female	5-pin	Connector, M12, axial, male	5-pin	30,000 mm	PROFIBUS DP	PUR

Further interconnection cables can be found on our website

## Termination/bus termination

Part no.	Part description	Connection 1	No. of pins	Function
50038539	TS 02-4-SA	Connector, M12, axial, male	4-pin	Bus termination

Further terminator plugs can be found on our website