Data sheet

MICSX-CAEZMDMD1

System plugs microScan3

SYSTEM PLUGS AND EXTENSION MODULES

SICK
Sensor Intelligence.

Illustration may differ

Ordering information

Type	part no.
MICSX-CAEZMDMD1	2134445

Other models and accessories ➜ www.sick.com/System_plugs_microScan3

Detailed technical data

Features

Special feature	Integrated configuration memory
Description	System connection; voltage supply: 1 x M12 male connector, 4-pin, A-coded; local inputs and outputs (I/O): 2 x M12 female connector, 17-pin, A-coded; dynamic control inputs: 2 x M12 female connector, 8-pin, A-coded; fieldbus, industrial network: 1 x M12 female connector, 4-pin, D-coded;

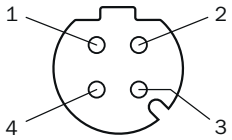
Certificates

EU declaration of conformity	✓
UK declaration of conformity	✓
China RoHS	✓
cULus certificate	✓
China GB certificate	✓

Classifications

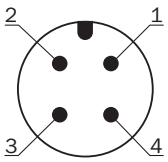
ECLASS 5.0	27279290
ECLASS 5.1.4	27279290
ECLASS 6.0	27279221
ECLASS 6.2	27279221
ECLASS 7.0	27440104
ECLASS 8.0	27440104
ECLASS 8.1	27440104
ECLASS 9.0	27440102
ECLASS 10.0	27440102
ECLASS 11.0	27440102
ECLASS 12.0	27440102
ETIM 5.0	EC002635
ETIM 6.0	EC002635
ETIM 7.0	EC002635
ETIM 8.0	EC002635
UNSPSC 16.0901	39121421

Pinouts Ethernet (XF1)



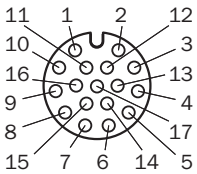
Pin	Designation	Description
1	TX+	Send data +
2	RX+	Receive data +
3	TX-	Send data -
4	RX-	Receive data -
Thread	SH	Shielding
For details see operating instructions		

Pinouts Voltage supply (XD1)



Pin	Designation	Description
1	+24 V DC	Supply voltage +24 V DC
2	n.c.	Not connected
3	0 V DC	Supply voltage 0 V DC
4	FE	Functional earth/shielding
For details see operating instructions		

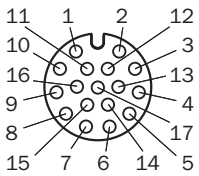
Pinouts Local inputs and outputs (XG1)



Pin	Designation	Description
1	OSSD 1.A	OSSD pair 1, OSSD A
2	OSSD 1.B	OSSD pair 1, OSSD B
3	OSSD 2.A	OSSD pair 2, OSSD A
4	OSSD 2.B	OSSD pair 2, OSSD B
5	Uni-I 01	Universal input 1, configurable
6	Uni-I 02	Universal input 2, configurable
7	Uni-I 03	Universal input 3, configurable

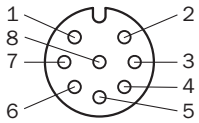
Pin	Designation	Description
8	Uni-I 04	Universal input 4, configurable
9	Uni-I 05	Universal input 5, configurable
10	Uni-I 06	Universal input 6, configurable
11	Uni-I 07	Universal input 7, configurable
12	Uni-I 08	Universal input 8, configurable
13	Uni-I 09	Universal input 9, configurable
14	Uni-I 10	Universal input 10, configurable
15	Uni-O 01	Universal output 1
16	Uni-O 02	Universal output 2
17	0 V DC	Voltage for inputs and outputs (0 V DC) *
* If at least one connection of the female connector is used, this 0 V connection must be connected in the control cabinet to 0 V DC of the power supply unit using a low-impedance and star-point connection.		
For details see operating instructions		

Pinouts Local inputs and outputs (XG4)



Pin	Designation	Description
1	OSSD 3.A	OSSD pair 3, OSSD A
2	OSSD 3.B	OSSD pair 3, OSSD B
3	OSSD 4.A	OSSD pair 4, OSSD A
4	OSSD 4.B	OSSD pair 4, OSSD B
5	n.c.	Not connected
6	n.c.	Not connected
7	n.c.	Not connected
8	n.c.	Not connected
9	Uni-I 11	Universal input 11, configurable
10	Uni-I 12	Universal input 12, configurable
11	Uni-I 13	Universal input 13, configurable
12	Uni-I 14	Universal input 14, configurable
13	Uni-I 15	Universal input 15, configurable
14	Uni-I 16	Universal input 16, configurable
15	Uni-O 03	Universal output 3
16	Uni-O 04	Universal output 4
17	0 V DC	Voltage for inputs and outputs (0 V DC) *
* If at least one connection of the female connector is used, this 0 V connection must be connected in the control cabinet to 0 V DC of the power supply unit using a low-impedance and star-point connection.		
For details see operating instructions		

Pinouts Dynamic control input (XG2, XG3)



Pin	Designation	Description
1	n.c.	Not connected
2	Inc 0°	Incremental encoder signal (0°)
3	n.c.	Not connected
4	Inc 90°	Incremental encoder signal (90°)
5	n.c.	Not connected
6	n.c.	Not connected
7	0 V Inc	Supply voltage for incremental encoder (0 V DC)
8	24 V DC Inc	Supply voltage for incremental encoder (+24 V DC)
For details see operating instructions		

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

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