



MSC800-2300

SYSTEM SOLUTIONS

SICK
Sensor Intelligence.



Ordering information

Type	part no.
MSC800-2300	1040386

Other models and accessories → www.sick.com/



Detailed technical data

Features

MTBF	> 80,000 h
MTTR	< 5 min, per component
System part	Logic unit with power supply unit (30 A), in the control cabinet 500 x 400 x 155 mm, with one fan

Mechanics/electronics

Supply voltage	230 V AC
Power consumption	720 W

Interfaces

Serial (RS-232, RS-422/-485)	✓ (4)
	Function Data output, parameter set-up, analyses
	Data transmission rate (0.3 kBaud ... 115.2 kBaud)
	Protocol SICK standard, application-specific protokoll on request
	Electrical connection Sub-D, 9-pin
Ethernet	✓ (3)
	Function Data output, parameter set-up, analyses
	Data transmission rate 10 MBit/s / 100 MBit/s
	Protocol TCP/IP, FTP, half/full-duplex
	Electrical connection RJ45
PROFIBUS DP	✓
	Function Data output, parameter set-up, analyses
	Data transmission rate 12 MBaud
	Protocol PROFIBUS DP
	Electrical connection Sub-D, 9-pin
CAN bus	✓ (2)
	Data transmission rate (20 kbit/s ... 1 Mbit/s)
	Protocol CANopen protocol, CAN-SENSOR network
	Electrical connection Cable gland
Digital switching inputs	✓ (14)
	Function PNP, configurable, opto isolated, reverse polarity protected
	Electrical connection Cable gland

Digital outputs	Function	✓ (4)
	Electrical connection	PNP, configurable, short-circuit proof
Relay outputs	Function	✓ (2)
	Electrical connection	Potential-free
USB	Electrical connection	Cable gland
		Micro USB female connector, type B
Service interface	Electrical connection	✓
		Service socket
Optical indicators		2 x LED per power supply module 6 x LED fuse module (12 pole terminal block) 48 x LED logic unit

Ambient data

Ambient temperature, operation	0 °C ... +40 °C
Ambient temperature, storage	-20 °C ... +70 °C
Permissible relative humidity	95 %, Non-condensing

Certificates

EU declaration of conformity	✓
ACMA declaration of conformity	✓
China-RoHS	✓

Classifications

ECLASS 5.0	27280102
ECLASS 5.1.4	27280102
ECLASS 6.0	27280102
ECLASS 6.2	27280102
ECLASS 7.0	27280102
ECLASS 8.0	27280102
ECLASS 8.1	27280102
ECLASS 9.0	27280102
ECLASS 12.0	27280102
ETIM 5.0	EC002550
ETIM 6.0	EC002550
ETIM 8.0	EC002550
UNSPSC 16.0901	43211701

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:

Contacts and other locations –www.sick.com