

# //MAGNETICALLY CODED SENSORS

## ACTIVE WITHOUT CONTACT

The magnetically coded safety system is predestined for use under critical environmental conditions, i.e. wherever stress due to dust and humidity is high. Easy start-up, compact housing and extremely low costs characterize this robust series.

### /// MC3



The MC3x magnetically coded sensor contains specially combined reed contacts that are contactlessly activated by the coded magnetic field of the actuator. With their cast housing, the extremely tamper proof switches are suitable for demanding applications in dusty or humid environments.



#### Benefits:

- Monitoring of moving guards on machines with sufficiently short stopping times for demanding applications
- For dusty or humid environments
- High-strength plastic housing
- Highly tamper proof
- Designs for many different types of applications
- PVC or PUR cable, M8 plug

Part no.	Part description	Contact allocation	Connection	Sao, max.	Off, min.	Sar, min.	Dimensions
63001030	MC388-S2C2-AL	2NO + 1NO (signaling)	Cable with wire-end sleeves, 6-wire, 2,000 mm, PVC	9 mm	19 mm	22 mm	25 mm × 13 mm × 88 mm
63001020	MC388-S2C2-A	2NO	Cable with wire-end sleeves, 4-wire, 2,000 mm, PVC	9 mm	19 mm	22 mm	25 mm × 13 mm × 88 mm
63001021	MC388-S2C5-A	2NO	Cable with wire-end sleeves, 4-wire, 5,000 mm, PVC	9 mm	19 mm	22 mm	25 mm × 13 mm × 88 mm
63001025	MC388-S2R10-A	2NO	Cable with wire-end sleeves, 4-wire, 10,000 mm, PUR	9 mm	19 mm	22 mm	25 mm × 13 mm × 88 mm
63001027	MC388-S2-C02M12-A	2NO	Cable with connector, M12, 4-pin, metal, 200 mm, PVC	9 mm	19 mm	22 mm	25 mm × 13 mm × 88 mm
63001026	MC388-S2M8-A	2NO	Connector, M8, 4-pin, metal	9 mm	19 mm	22 mm	25 mm × 13 mm × 88 mm
63001003	MC388-S1R2-A	1NC + 1NO	Cable with wire-end sleeves, 4-wire, 2,000 mm, PUR	6 mm	13 mm	30 mm	25 mm × 13 mm × 88 mm
63001000	MC388-S1C2-A	1NC + 1NO	Cable with wire-end sleeves, 4-wire, 2,000 mm, PVC	6 mm	13 mm	30 mm	25 mm × 13 mm × 88 mm
63001004	MC388-S1R5-A	1NC + 1NO	Cable with wire-end sleeves, 4-wire, 5,000 mm, PUR	6 mm	13 mm	30 mm	25 mm × 13 mm × 88 mm
63001001	MC388-S1C5-A	1NC + 1NO	Cable with wire-end sleeves, 4-wire, 5,000 mm, PVC	6 mm	13 mm	30 mm	25 mm × 13 mm × 88 mm
63001005	MC388-S1R10-A	1NC + 1NO	Cable with wire-end sleeves, 4-wire, 10,000 mm, PUR	6 mm	13 mm	30 mm	25 mm × 13 mm × 88 mm
63001002	MC388-S1C10-A	1NC + 1NO	Cable with wire-end sleeves, 4-wire, 10,000 mm, PVC	6 mm	13 mm	30 mm	25 mm × 13 mm × 88 mm
63001007	MC388-S1-C02M12-A	1NC + 1NO	Cable with connector, M12, 4-pin, metal, 200 mm, PVC	6 mm	13 mm	30 mm	25 mm × 13 mm × 88 mm
63001006	MC388-S1M8-A	1NC + 1NO	Connector, M8, 4-pin, metal	6 mm	13 mm	30 mm	25 mm × 13 mm × 88 mm
63001070	MC336-S2C2-A	2NO	Cable with wire-end sleeves, 4-wire, 2,000 mm, PVC	7 mm	17 mm	20 mm	26.2 mm × 13 mm × 36 mm
63001071	MC336-S2C5-A	2NO	Cable with wire-end sleeves, 4-wire, 5,000 mm, PVC	7 mm	17 mm	20 mm	26.2 mm × 13 mm × 36 mm
63001077	MC336-S2-C02M12-A	2NO	Cable with connector, M12, 4-pin, metal, 200 mm, PVC	7 mm	17 mm	20 mm	26.2 mm × 13 mm × 36 mm
63001076	MC336-S2M8-A	2NO	Connector, M8, 4-pin, metal	7 mm	17 mm	20 mm	26.2 mm × 13 mm × 36 mm
63001053	MC336-S1R2-A	1NC + 1NO	Cable with wire-end sleeves, 4-wire, 2,000 mm, PUR	3 mm	8 mm	11 mm	26.2 mm × 13 mm × 36 mm
63001050	MC336-S1C2-A	1NC + 1NO	Cable with wire-end sleeves, 4-wire, 2,000 mm, PVC	3 mm	8 mm	11 mm	26.2 mm × 13 mm × 36 mm
63001054	MC336-S1R5-A	1NC + 1NO	Cable with wire-end sleeves, 4-wire, 5,000 mm, PUR	3 mm	8 mm	11 mm	26.2 mm × 13 mm × 36 mm
63001051	MC336-S1C5-A	1NC + 1NO	Cable with wire-end sleeves, 4-wire, 5,000 mm, PVC	3 mm	8 mm	11 mm	26.2 mm × 13 mm × 36 mm
63001055	MC336-S1R10-A	1NC + 1NO	Cable with wire-end sleeves, 4-wire, 10,000 mm, PUR	3 mm	8 mm	11 mm	26.2 mm × 13 mm × 36 mm
63001052	MC336-S1C10-A	1NC + 1NO	Cable with wire-end sleeves, 4-wire, 10,000 mm, PVC	3 mm	8 mm	11 mm	26.2 mm × 13 mm × 36 mm
63001057	MC336-S1-C02M12-A	1NC + 1NO	Cable with connector, M12, 4-pin, metal, 200 mm, PVC	3 mm	8 mm	11 mm	26.2 mm × 13 mm × 36 mm
63001056	MC336-S1M8-A	1NC + 1NO	Connector, M8, 4-pin, metal	3 mm	8 mm	11 mm	26.2 mm × 13 mm × 36 mm
63001120	MC330-S2C2-A	2NO	Cable with wire-end sleeves, 4-wire, 2,000 mm, PVC	6 mm	15 mm	18 mm	M30 × 36 mm
63001121	MC330-S2C5-A	2NO	Cable with wire-end sleeves, 4-wire, 5,000 mm, PVC	6 mm	15 mm	18 mm	M30 × 36 mm
63001127	MC330-S2-C02M12-A	2NO	Cable with connector, M12, 4-pin, metal, 200 mm, PVC	6 mm	15 mm	18 mm	M30 × 36 mm
63001126	MC330-S2M8-A	2NO	Connector, M8, 4-pin, metal	6 mm	15 mm	18 mm	M30 × 36 mm
63001103	MC330-S1R2-A	1NC + 1NO	Cable with wire-end sleeves, 4-wire, 2,000 mm, PUR	6 mm	12 mm	14 mm	M30 × 36 mm
63001100	MC330-S1C2-A	1NC + 1NO	Cable with wire-end sleeves, 4-wire, 2,000 mm, PVC	6 mm	12 mm	14 mm	M30 × 36 mm
63001104	MC330-S1R5-A	1NC + 1NO	Cable with wire-end sleeves, 4-wire, 5,000 mm, PUR	6 mm	12 mm	14 mm	M30 × 36 mm
63001101	MC330-S1C5-A	1NC + 1NO	Cable with wire-end sleeves, 4-wire, 5,000 mm, PVC	6 mm	12 mm	14 mm	M30 × 36 mm
63001105	MC330-S1R10-A	1NC + 1NO	Cable with wire-end sleeves, 4-wire, 10,000 mm, PUR	6 mm	12 mm	14 mm	M30 × 36 mm
63001102	MC330-S1C10-A	1NC + 1NO	Cable with wire-end sleeves, 4-wire, 10,000 mm, PVC	6 mm	12 mm	14 mm	M30 × 36 mm
63001107	MC330-S1-C02M12-A	1NC + 1NO	Cable with connector, M12, 4-pin, metal, 200 mm, PVC	6 mm	12 mm	14 mm	M30 × 36 mm
63001106	MC330-S1M8-A	1NC + 1NO	Connector, M8, 4-pin, metal	6 mm	12 mm	14 mm	M30 × 36 mm

Included in delivery: 1 actuator, mounting material

Notice: An MSI-MC3x safety relay is required for certified application! This must be ordered separately.

Switching sensors

Measuring sensors

Products for safety at work

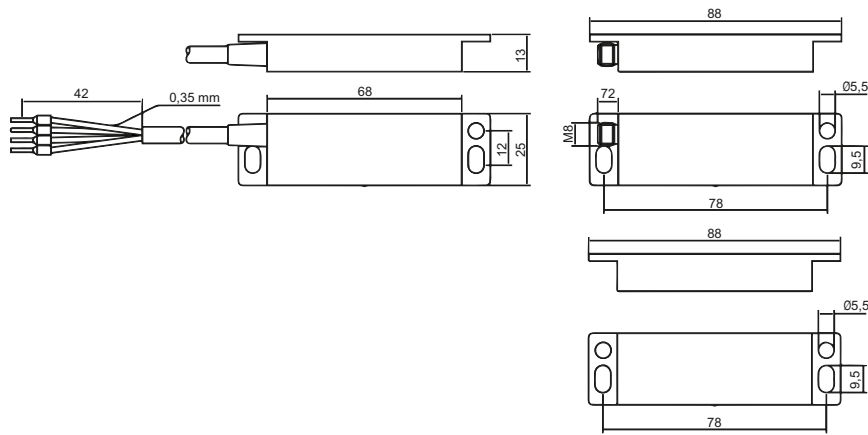
Identification

Data transmission / Control components

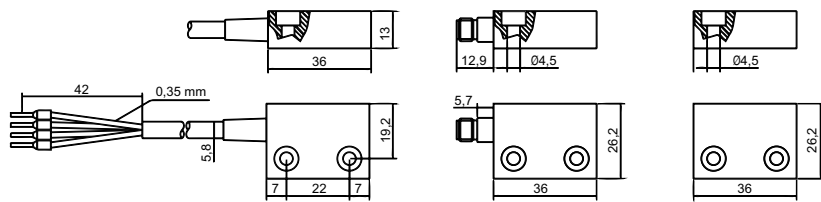
Industrial image processing

Accessories

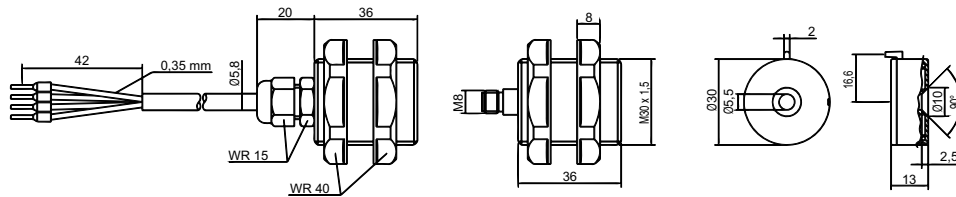
## Dimensioned drawings: MC3



MC388x magnetically coded sensor with actuator



MC336x magnetically coded sensor with actuator



MC330x magnetically coded sensor with actuator

## ACCESSORIES: MC3

### Connection technology

Connection cables

Part no.	Part description	Connection 1	No. of pins	Cable length	Sheathing material
50130854	KD U-M8-4A-P1-020	Connector, M8, axial, female	4-pin	2,000 mm	PUR
50130856	KD U-M8-4A-P1-050	Connector, M8, axial, female	4-pin	5,000 mm	PUR
50130857	KD U-M8-4A-P1-100	Connector, M8, axial, female	4-pin	10,000 mm	PUR

Further connection cables can be found on our website

### Actuator

Part no.	Part description	Dimensions	Housing design
63001152	MC330-S1-A	30 mm × 13 mm	Cylindrical
63001157	MC330-S2-A	30 mm × 13 mm	Cylindrical
63001151	MC336-S1-A	26 mm × 13 mm × 36 mm	Cubic
63001156	MC336-S2-A	26 mm × 13 mm × 36 mm	Cubic
63001150	MC388-S1-A	25 mm × 13 mm × 88 mm	Cubic
63001155	MC388-S2-A	25 mm × 13 mm × 88 mm	Cubic

### Mounting

Part no.	Part description	Description	Suitable for	Dimensions
63001154	MC336-SP-8	Spacer	MC336 housing	26 mm × 8 mm × 36 mm
63001153	MC388-SP-8	Spacer	MC388 housing	25 mm × 8 mm × 88 mm