# **DATA SHEET**



## MD-C 360i/8

Item number	GTIN	
EP10055393	4015120055393	





#### **Technical data**

## GENERAL

GENERAL	
Device category	Ceiling-mounted motion detector
Included in delivery	Includes lens mask
Product information	Please note the Explanation of circuit breaker in the download area of the product! Mounting position: Keep a safe distance of 5 m from radio antennas (e.g. WiFi access points).
User interface	Adjusting controller, IR remote control with "blue mode" technology
Remote controllable	$\checkmark$
Conformity	CE, EAC, RoHS, SundaHus, WEEE
Warranty	5 years

ATTACHMENT

Installation type	Flush-mounted/Device socket Ø 68 mm
Installation position	Ceiling
Installation dimension	Installation depth: 24 mm, Ø 60 mm
Type of connection	Push terminal
Connectable wire cross section	1,5 – 2,5 mm <sup>2</sup>

## HOUSING

Dimensions	Height/Depth 62 mm, Ø 108 mm
Weight	142 g
Material	UV-stabilised polycarbonate
Protection type	IP20
Permissible ambient temperature	-25 °C+50 °C
Relative humidity	5 – 93 %, non-condensing
Colour	white, similar to RAL 9010

Ø8m	360°	ON/OFF	IP20	1CH
0011	500	UN/OFF	IFZU	-;\

### **Product description**

- Motion detector with **360° field of detection** for ceiling mounting
- **Range of up to 8 m** across at a recommended installation height of 3 m (maximum installation height 5 m) for use in small rooms and passageways with no or little natural lighting
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability
- Offers special product features such as:

ELECTRICAL VERSION

• Simple parameterisation, remote control and documentation with ESY-Pen and ESY-App

ELECTRICAL VERSION		
Control system	ON/OFF	
Protection class	ll	
Nominal voltage	230 V AC / 50 Hz	
In-rush current	800 A / 200 μs	
Power consumption	0,3 W	
SENSORS		
Detection angle	360°	
Detection range diagonally	Ø8 m	
Detection range head-on	Ø6m	
Field of detection	up to 50 m <sup>2</sup>	
Recommended installation height	3 m	
Max. mounting height	5 m	
Light measurement	mixed light	
Level of brightness	5 – 2000 lx	
CHANNELS (LIGHTING / HVAC)		
Number of light channels	1	
Push button input lighting	1	
Push button input HVAC	-	
Number of parallel switchable detectors	10	
Slave input	-	
Mode	Semi-automatic, Fully automatic	
Switching delay from "dark to light"	0 s	
Switching delay from "light to dark"	30 s	
Constant light control	-	
Channel	<b>C1</b> Lighting	
Function	Switching	

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Switching capacity		230 V/50 Hz, 16 AX	Push button input	$\checkmark$
		2300 W/10 A (cos phi = 1) 1150 VA/5 A (cos phi = 0,5)	Impulse mode	$\checkmark$
		600 W LED	Switch-off delay time	60 s30 min (adjustable in steps)
Switch contact	r	nake contact / non-floating		
Factory settings				
GENERAL			Operating mode	fully automatic

ULNLIAL		Operating mode	Tully automatic
Sensitivity	100 %	Level of brightness/switching threshold	100 lx
		Switch-off delay time	5 min
CHANNELS (LIGHTING / HVAC)			
Channel	C1 Lighting		

## Accessories

Product designation	ltem number	Product description	GTIN
Cover			
COMPACT COVER SET 8 SR	EP10425936	Cover set for COMPACT series, 8 m, consists of cover and design ring, stainless steel appearance, similar to RAL 9006	4015120425936
COMPACT COVER SET 8 BK	EP00007521	Cover set for COMPACT series, 8 m, consists of cover and design ring, black	4015120007521
Electrical accessories			
FILTER 230 V	EP10426988	Filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers	4015120426988
Mounting			
COMPACT MOUNTING BOX IP20 SM WH	EP10425370	Surface-mounted box for COMPACT series, IP20, white	4015120425370
COMPACT MOUNTING BOX IP20 SM SR	EP10425387	Surface-mounted box for COMPACT series, IP20, silver	4015120425387
COMPACT MOUNTING BOX IP54 SM WH	EP10425905	Surface-mounted box for COMPACT series, IP54, white	4015120425905
COMPACT MOUNTING BOX IP54 SM SR	EP10425912	Surface-mounted box for COMPACT series, IP54, silver	4015120425912
MOUNTING SET IP20 FM 62 WH	EP10425929	Recessed ceiling mounting set includes installation bracket and dust-protected box, 62 mm	4015120425929
COMPACT MOUNTING BOX IP54 SM BK	EP10426940	Surface-mounted box for COMPACT series, IP54, black	4015120426940
COMPACT MOUNTING BOX IP20 SM BK	EP10426933	Surface-mounted box for COMPACT series, IP20, black	4015120426933
COMPACT APC MOUNTING BOX IP20 SM WH	EP10426278	Surface-mounted box IP20 for COMPACT APC DALI-2	4015120426278
Protection			
BASKET GUARD ROUND SMALL	EM10425615	Basket guard for presence and motion detectors and smoke detectors, Ø 165 mm, height 70 mm	4015120425615
BASKET GUARD ROUND LARGE	EM10425608	Basket guard for presence and motion detectors and smoke detectors, Ø 180 mm, height 90 mm	4015120425608
Remote control			
ESY-Pen	EP10425356	ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management	4015120425356
REMOTE CONTROL MDi/PDi	EM10425509	IR remote control for presence detectors and motion detectors	4015120425509

# **DATA SHEET**



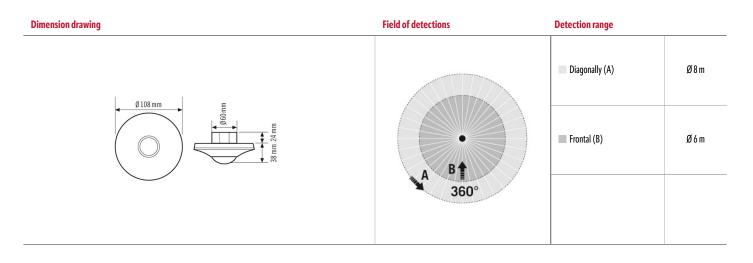
## MD-C 360i/8

## Item number

EP10055393

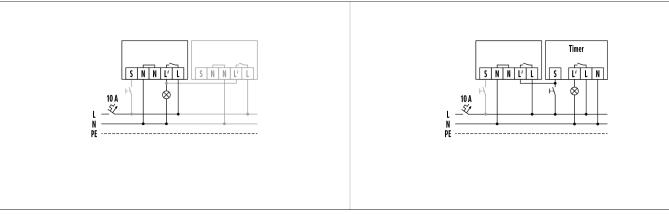
4015120055393

GTIN



#### **Circuit diagram**

**Circuit diagram** 



Standard with optional control via a closing button and parallel wiring of max. ten devices.

Standard operation with automatic stairwell light and optional control via a closing button.

#### **Detailed product description**

- · Motion detector with 360° field of detection for ceiling mounting
- Range of up to 8 m across at a recommended installation height of 3 m (maximum installation height 5 m) for use in small rooms and passageways with no or little natural lighting
- 16 A high-performance relay (tungsten pre-contact), ideal for switching capacitive loads such as electronic ballasts, parallel-compensated fluorescent lamps, compact fluorescent lamps, energy saving lamps
- Default settings ensure immediate operability
- · Automatic lighting control for use without, or with very little, natural light
- Simple programming using remote control with "blue mode" technology or setting elements
- Integrated toggle for setting with remote control or by adjusting controller prevents operating errors and provides tamper protection
- · Masking of interference sources by reducing sensitivity using DIP switches
- Additional switch input with toggle function "room = ON + OFF/hallway = ON"
- Flush-mounted device as standard
- · Surface mounting or recessed ceiling mounting with accessories
- Easily replaceable/paintable cover and design ring (available in silver as an accessory)
- Extension of the field of detection with parallel connection of max. 8 detectors
- Targeted masking out of areas by means of an enclosed lens mask