

## DATA SHEET

### Order description

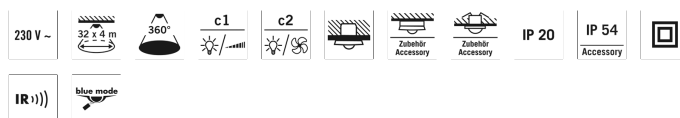
PD-C360i/24 DIMplus WH

### Item number

EP10425783

### GTIN

4015120425783



### Product description

- Presence detector with 360° field of detection for ceiling mounting.
- range of up to 32 m, elliptic detection range of 32 m in length and 4 m in width, at an installation height of 10 m (maximum installation height approximately 15 m)
- Automatic light control (channel 1) to a constant brightness level (at a height of up to 5 m) depending on presence and daylight (1 - 10 V = interface)
- Additional HVAC switch contact (channel 2) for switching an additional light source or controlling heating, ventilation and air conditioning depending on presence
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

### Technical data

GENERAL	
Conformity	CE, RoHS, WEEE
warranty	5-year
MOUNTING	
Installation type	Recessed mounting
Mounting location	Ceiling
Installation dimension	Installation depth 24 mm, Ø 60 mm
HOUSING	
Dimensions	Height/Depth 46 mm, Ø 108 mm
Weight	265 g
Material	UV-stabilised polycarbonate
Protection type	recessed-mounted IP 20, IP 54 with surface-mounted box (order separately), IP 20 as recessed ceiling-mounted version (order installation set separately)
Permissible ambient temperature	-25 °C...+50 °C
Relative humidity	5 - 93 %, non-condensing
Colour	white, similar to RAL 9010
Terminal	2,5 mm <sup>2</sup> / 1,5 mm <sup>2</sup>
ELECTRICAL VERSION	
Protection class	II
Nominal voltage	230 - 230 V / 50 Hz
SENSORS	
Power consumption	0,3 W
Detection angle	360°

Detection range diagonally	32 m
Detection range head-on	11 m
Field of detection	805 m <sup>2</sup>
Recommended installation height	10 m
Max. mounting height	10 m
Light measurement	mixed light
Level of brightness	5 - 2000 lx
Number of light channels	1
Number of switching contacts	0
Slave input	yes
Max. number of slave detectors	10
Fully automatic	yes
Semi-automatic	yes
Impulse feature	yes
Constant lighting control	true
Switching delay from "dark to light" [s]	300 s
Switching delay from "light to dark" [s]	30 s

### CONTROL

Channel 1	Lighting
Interface	Switching/Dimming
Contact	make contact/non-floating
Switching capacity channel 1	230 V AC 50 Hz, 16 A relay, 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
In-rush current	800 A / 200 µs
Control output	1 - 10 V DC / 50 mA
Switch-off delay channel 1	60 s - 15 min
Orientation light	10 % luminous efficiency

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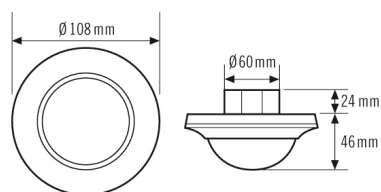
Switch-off delay time, orientation light	approx. 1 min.-60 min.
Channel 2	HVAC
Output	Switching
Contact	make contact/non-floating
Switching capacity channel 2	230 V AC/2 A, 24 V DC/2 A, Capacitive load/ electronic ballasts max. in-rush current 30 A/20 ms

Control output	1 - 10 V DC / 50 mA
Orientation light	10 % luminous efficiency
Switch-off delay time, orientation light	approx. 1 min.-60 min.
Master/slave function	true
Constant lighting control	true
Manual override	yes

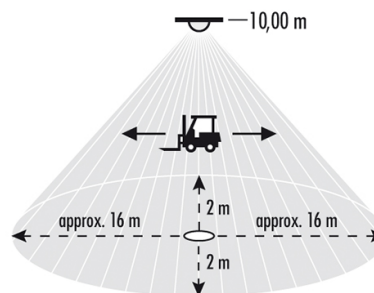
### Accessories

Product designation	Item number	GTIN
PD-C 360/24 Slave WH	EP10425790	4015120425790
ESY-Pen	EP10425356	4015120425356
Mobil-PDi/plus	EM10425530	4015120425530
Mobil-PDi/user	EM10425547	4015120425547
Mobil-PDi/MDi-universal	EP10433993	4015120433993
ILR-230V current-limiting module	EP10426353	4015120426353
Surface-mounted box-C IP 20	EP10425370	4015120425370
Surface-mounted box C IP 54	EP10425905	4015120425905
Cover set C360/24	EP10425431	4015120425431
Ceiling-mounted set-C	EP10425929	4015120425929
Basket guard 180/90	EM10425608	4015120425608
RC filter/snubber	EP10426988	4015120426988

### Scale drawing



### Field of detection



■ Passage area / diagonally to detector

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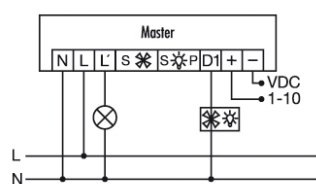
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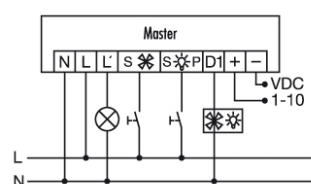
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### Circuit diagram



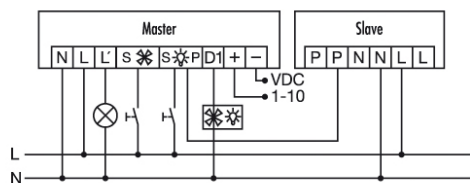
Standard operation

### Circuit diagram



Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

### Circuit diagram



### Master/slave connection:

The master device controls connected systems according to the programmed settings.  
The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected.

Caution: a maximum of 10 slave devices may be connected to one master device.

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