

IMS 100 NT

Technical data

Features

- Prevents accidents
- Prevents damage to elevator doors
- Offers double safeguarding when combined with light curtain
- No need to configure the monitored area
- Automatic door recognition using TOF technology
- Extremely reliable object detection using TOF technology
- Ideal for both new facilities and modernization
- Entrance area monitoring reduces door-opening time



Optical

Detection height	0.6 ... 2.5 m
Detection area at 2 m	200 mm × 900 mm
Min. object detection at 2.5 m	50 mm

Mechanical

Dimensions (l × h × w)	132 × 36 × 34 mm
Housing material	Aluminum, PC
Enclosure rating	IP65
Temperatur range	-20 °C ... +60 °C

Electrical

Supply voltage U _{Sp}	24 VDC ±20%
Typ. current consumption at 24 VDC	200 mA
Output	PNP
Max. output load	120 mA, 100 nF
Output logic	LOW = Object HIGH = No object
Response time	350 ms
Max. recalibration time	1.5 s
Indication LED (red):	LED on Object detected LED off No object detected

Connection cable and electrical connection

Length - sensor cable	0.5 m
Length - connection cable	2.8 m
Diameter	Ø 3.5 mm
Material	PVC, black
Connection	M8, 4-pin
Wires	AWG26
• brown	U _{Sp}
• blue	GND (0 V)
• black	Output (PNP)
• white	Time-out selector (18 s or infinity)

General

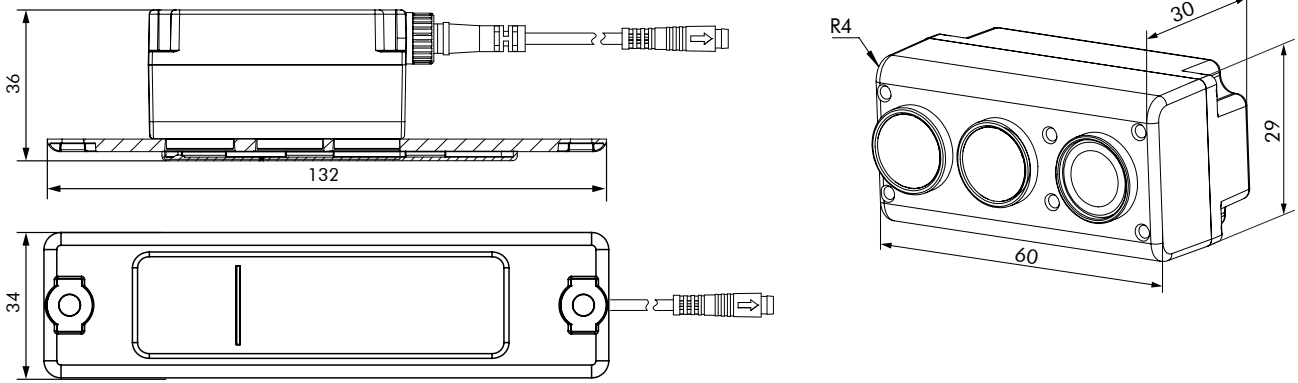
Eye safety	EN 62471: 2008
EMC emission	EN 12015:2014
EMC immunity	EN 12016:2013
Vibration	IEC 60068-2-6:2007
Shock	IEC 60068-2-27:2008
Cable durability	IEC 60227-2:2003
RoHS	2011/65/EU
Certificates	CE, CSA



CEDES AG is certified according to ISO 9001: 2015

Dimensions

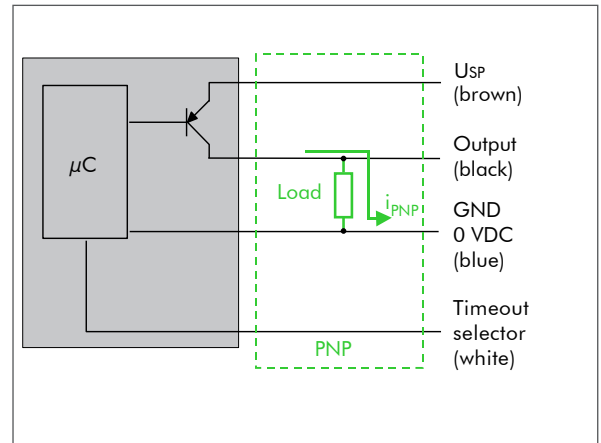
All dimensions in mm
Proportions not to scale



Output logic

Output	Usp			
0 V				
Status		No object	Object detected	Door mode
Output		24 VDC HIGH	0 VDC LOW	24 VDC HIGH
Red LED		Off	On	Blinking

Electrical connection



Applications

