HRTR 55 V

Reflect. light scanner with V-optics and background suppression

Dimensioned drawing



- Diffuse reflection light scanner with visible red light, V-optics and adjustable background suppression
- Due to the V-optics, it is particularly wellsuited for detecting very shiny or polished surfaces as well as for transparent objects in a range of 30 ... 70mm
- Very good black/white behavior and precise background suppression
- Exact scanning range adjustment through 8-turn potentiometer
- High switching frequency for detection of fast events



Accessories:

(available separately)

- Cable with M8 or M12 connector (K-D ...)
- Cable for food and beverages
- Mounting devices





- B Yellow indicator diode
- C Optical axis
- D 8-turn potentiometer for scanning range adjustment
- E Mounting sleeve

Electrical connection

Plug connection, 4-pin



en 01-2012/08 50120884

A Green indicator diode

▲ Leuze electronic

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Average life expectancy 100,000h at an ambient temperature of 25°C

For UL applications: for use in class 2 circuits according to NEC only 3)

The push-pull switching outputs must not be connected in parallel Typical value for the stainless steel housing 4)

5)

6) Operating temperatures of +70°C permissible only briefly (≤ 15min)

2=polarity reversal protection, 3=short circuit protection for all transistor outputs 7) 8)

Rating voltage 50V

Only in combination with M12 connector 9)

Approved purpose:

This product may only be used by qualified personnel and must only be used for the approved purpose. This sensor is not a safety sensor and is not to be used for the protection of person.

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Order guide

Selection table			-S12
Equipment 🛡		Order code →	HRTR 55/66-V,200-S12 Part no. 50120623
			Par
Switching output	2 x push-pull switching output		•
	1 x push-pull switching output		
Switching function	1 PNP light switching and NPN dark switching output		•
	1 PNP dark switching and NPN light switching output		•
Connection	M8 connector, metal, 4-pin		
	M8 connector, metal, 3-pin		
	cable 200mm with M12 connector, 4-pin		•
	cable 5000 mm, 4-wire		
Indicators	green LED: ready		•
	yellow LED: switching output		•

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Application notes

- The sensor must be positioned perpendicularly and parallel to the object.
- Objects should only be moved in laterally from the right or left. Moving in objects from the connector side
 or operating side is not permitted.



- The sensor is most capable of reliably detecting a reflective surface or transparent object in the recommended working range. Nevertheless, the sensor can reliably detect such objects in the entire scanning range; however, the performance reserve is reduced as compared with the recommended working range.
- The sensors are equipped with effective measures for the maximum avoidance of mutual interference should they be mounted opposite one another. Opposite mounting of multiple sensors of the same type should, however, absolutely be avoided.