

Technical data sheet

Fork photoelectric sensor

Part no.: 50119710
GS 754B/D24-98-S12

Contents

- Technical data
- Electrical connection
- Operation and display
- Notes
- Accessories



For illustration purposes only



Technical data

Basic data

Series	754
Application	Detection of transparent objects
	Film detection > 0.1 mm

Special version

Special version	Teach input
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Optical data

Measurement field length	25 mm
Light source	LED, Infrared

Measurement data

System resolution	a: 0.1 mm (mode 1 ... 5)
	b: 0.014 mm (Mode 7)

Electrical data

Protective circuit	Overvoltage protection
	Polarity reversal protection
	Short circuit protected

Performance data

Supply voltage U _B	10 ... 30 V, DC
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Inputs/outputs selectable

Input/output 1

Function	Switching output / teach input switchable
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Interface

Type	RS 232
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Connection

Connection 1

Type of connection	Connector
Thread size	M12
Material	Metal
No. of pins	5 -pin

Mechanical data

Mouth width	98 mm
Mouth depth	42 mm
Dimension (W x H x L)	20.4 mm x 157 mm x 91 mm
Housing material	Metal
Metal housing	Diecast zinc
Lens cover material	Plastic / PMMA
Net weight	290 g

Operation and display

Type of configuration	Software
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Environmental data

Ambient temperature, operation	-20 ... 50 °C
Ambient temperature, storage	-30 ... 60 °C

Certifications

Degree of protection	IP 67
Protection class	III
Approvals	c UL US
Standards applied	IEC 60947-5-2

Classification

Customs tariff number	85365019
ECLASS 5.1.4	27270909
ECLASS 8.0	27270909
ECLASS 9.0	27270909
ECLASS 10.0	27270909
ECLASS 11.0	27270909
ECLASS 12.0	27270909
ECLASS 13.0	27270909
ECLASS 14.0	27270909
ECLASS 15.0	27270909
ECLASS 16.0	27270909
ETIM 5.0	EC002720
ETIM 6.0	EC002720
ETIM 7.0	EC002720
ETIM 8.0	EC002720
ETIM 9.0	EC002720
ETIM 10.0	EC002720

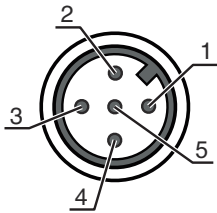
Electrical connection

Connection 1

Type of connection	Connector
Thread size	M12
Type	Male
Material	Metal
No. of pins	5 -pin
Encoding	A-coded

Electrical connection

Pin	Pin assignment	Conductor color
1	+10...30 V DC	Brown
2	I/O 1	White
3	GND	Blue
4	TxD	Black
5	FE	Gray



Operation and display

LED	Display	Meaning
1	Green, continuous light	Ready
	Green, flashing	Fault

Notes

Observe intended use!

⚡ This product is not a safety sensor and is not intended as personnel protection.

⚡ The product may only be put into operation by competent persons.

⚡ Only use the product in accordance with its intended use.

Accessories

Connection technology - Connection cables

	Part no.	Designation	Article	Description
	50132079	KD U-M12-5A-V1-050	Connection cable	Application: Chemical resistant Connection 1: Connector, M12, Axial, Female, A-coded, 5 -pin Connector, LED: No Connection 2: Open end Shielded: No Cable length: 5,000 mm Sheathing material: PVC

Note

⚡ A list with all available accessories can be found on the Leuze website in the Download tab of the article detailed page.