

LTB

LTB/0P-0K

Photo.M18,PNP-NO/NC,M12plug 90°,Contrast

SPECIAL PHOTOELECTRIC SENSORS M18 CONTRAST SCANNER - DC

OVERVIEW

- With white light emission
- Sensitivity adjustment
- Short response time (50 µs)
- LO/DO selectable outputs
- P65 protection degree
- Complete protection against electrical damages
- Approvals: CE

CE

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	12mm (with STF-12) 25mm (with SFT-25)
Thermal drift of Sr	≤ 10%
Spot dimension	Ø 1mm (with STF-12) Ø 0,8mm (with SFT-25)

Application

Function Principle	Contrast mark detection

Notes	white target Kodak 90% 100 x 100mm

Outputs

Output type	PNP L/D Selectable
Output Function	L/D Selectable
Switching frequency	10Khz
Response time	50 µs

Electrical data

Operating Voltage	10…30VDC
No-Load supply current	≤ 40mA
Load current	≤100mA
Leakage current	≤ 10µA
Output voltage drop	≤1,2V@Iload=100mA
Max ripple content	≤10%
LED indicators	Yellow (output status) Green(powerON)
Time delay before availability	≤200ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	LED white

Interference to external light	3000 lux (incandescent lamp) 10000 lux (sunlight)
Impulsive Overvoltage Protection	Yes

Mechanical data

Dimensions	M18
Housing material	PBT
Connections	M12 plug
Active Head Material	PMMA
Tightening torque	1Nm
Operating temperature	-5°C … +55°C (without freeze)

Test/Approvals

Approvals	CE
EMC compatibility	EN 60947-5-2
Degree of protection	IP65

Accessories

Supplied Accessories	nuts M18 x 1
Accessories to be ordered separately	Focalizer STF-12 Focalizer STF-25

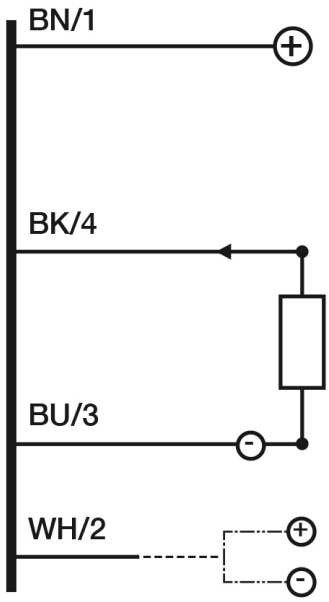
Generical Data

Dimensions	M18
Operating Temperature	- 5°C…+ 55° C (Without freeze)

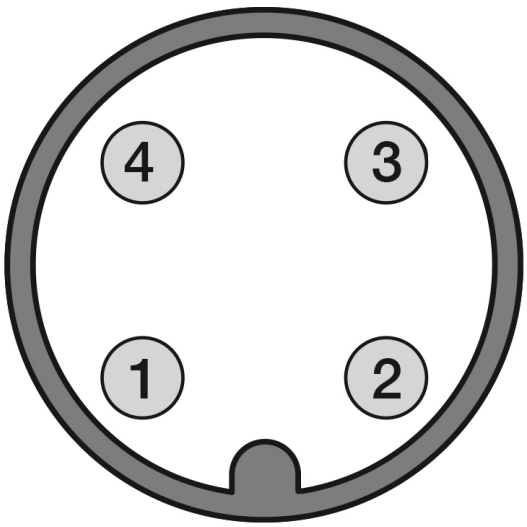
Mechanical Protection	IP65

CONNECTIONS

Eletrical diagram



Connector



OTHERS

Dimensions

Image:

Datasensing S.r.l.
Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail
info@datasensing.com

date of printing
14/11/2026
07:40:00