



FA

FARS/BP-0AAN

Photo.M18,PNP-NO+NC,Cable,BGS

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	130mm
Thermal drift of Sr	$\leq 10\%$ Sr
Repeat Accuracy	5%
Sensitivity adjustment	Trimmer
Minimum sensing distance (blind zone)	30mm

Application

Function Principle	Blackground suppression
Notes	white target Kodak 90% 100 x 100mm
Optic position	Axial

Outputs

Output type	PNP NO+NC
Output Function	NO+NC
Switching frequency	1Khz
Response time	500μs

Electrical data

Operating Voltage	10...30VDC
No-Load supply current	≤ 25mA
Load current	≤100mA
Leakage current	≤10μA
Output voltage drop	≤2V@Iload=100mA
Max ripple content	≤10%
LED indicators	Yellow (Lon) or output status Lo/Do
Time delay before availability	≤200ms
Short-circuit protection	Short circuit (autoreset), Overvoltage
Reverse Polarity Protection	Polarity inversal, Impulsive voltage
Emission	LED Red (660nm)
Interference to external light	5000lux (incandescent lamp), 10000lux (sunlight)

Mechanical data

||
||
||

Housing material	PBT / PC cable exit
Connections	2m PVC cable
Active Head Material	PMMA
Tightening torque	1Nm
Diameter/Dimension	M18

Test/Approvals

Approvals	CE cULus Ex: II 3G Ex nA IIC T6 Gc II 3D Ex tc IIIB T85°C Dc
EMC compatibility	EN 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27

Accessories

Supplied Accessories	nuts M18 x 1, screwdriver
----------------------	---------------------------

Generical Data

Dimensions	M18 x 1/L=67,5mm
Operating Temperature	- 25°C...+ 70°C (Without freeze)
Mechanical Protection	IP67

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**
10/08/2026
00:18:42

