

# 42EFP2MPBA2

Allen-Bradley 42EF Photoelectric Sensor Polarized Retroreflective  
11-30V DC Range 25mm-3m PNP/NPN 2m



Component type	Retroreflective photoelectric sensor
Range	Photoelectric Sensors
Model	N/A
Product status	Existing

The Allen-Bradley Photoelectric sensors use a beam of light to detect the presence or absence of an object. An alternative to inductive proximity sensors for long sensing distances or when the item is non-metal. Can be utilised in a variety of applications, such as material handling, packaging, food processing and transportation. Customisable to suit non-standard connectors or cables.

## ELECTRICAL

Setting procedure	Other
Voltage type	DC
Rated control supply voltage $U_s$ at DC	10.8-30 V
Type of switching output	PNP
Max. output current	100 mA
Response time	1 ms
Type of electric connection	Cable

## CONSTRUCTION

Material of optical surface	Plastic
Material housing	Other
Construction type housing	Special construction
IP rating	IP67
Suitable for safety functions	No
Degree of protection (NEMA)	6P

## MECHANICAL

With time function	No
Sensing type	Polarised retroreflective
Type of light	Other
Illumination mode	Other
Wavelength of the sensor	660 nm
Beam angle	1.5 °
Max. switching distance	3000 mm
Sensing mode	Light-/dark switching

## PHOTOMETRIC

## DIMENSIONS

Width sensor	27 mm
Height of sensor	46.7 mm
Length of sensor	34.5 mm

## ENVIRONMENT

Ambient temperature	-25...70 °C
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