

# Eaton E58-18DP100-HL

Catalog Number: E58-18DP100-HL

Eaton harsh-duty sensor, E58 Tubular 18mm Photoelectric Sensor, 0.71 dia, dist. 4 In., PNP: 100 mA, NPN: 250 mA max DC, PNP/NPN Open Collector, PNP: 100 mA, NPN: 250 mA at 30Vdc, 6.6 Ft. (2m) Cable input, Auto reset short circuit

## General specifications



<b>Product Name</b>	<b>Catalog Number</b>
Eaton harsh-duty sensor	E58-18DP100-HL
<b>UPC</b>	<b>Product Length/Depth</b>
782114264645	0.71 in
<b>Product Height</b>	<b>Product Width</b>
3.15 in	0.71 in
<b>Product Weight</b>	<b>Warranty</b>
0.4188 lb	3 year
<b>Compliances</b>	<b>Certifications</b>
CE Marked	UL Listed

## Catalog Notes

Sensor will detect a 90% reflectance card at the Sensing Range; sensor will ignore a 90% reflectance card at the Cutoff Range

## defaultTaxonomyAttributeLabel

### Contact Rating

PNP: 100 mA, NPN: 250 mA at 30Vdc

### Cable type

Polyvinyl Chloride (PVC)

### Enclosure material

Stainless steel

### Operating mode

Background suppression

### Connection

6.6 ft (2 m) cable

### Contact configuration

PNP and NPN open collector

### Sensor type

Back ground suppression

### Switch type

Photoelectric

### Input voltage

10-30 Vdc

### LED indicator

Output status: red

### Protection

Auto reset short circuit

### Cord length

79.2 ft

### Maximum DC current

PNP: 100 mA, NPN: 250 mA

### Operating temperature - max

131 °F

### Operating temperature - min

-40 °F

### Environmental rating

NEMA 1, NEMA 2, NEMA 3, NEMA 3R, NEMA 3S, NEMA 4, NEMA 4X, NEMA 6, NEMA 6P, NEMA 12, NEMA 13, IP69K

## Resources

### Brochures

[Test the Best Photoelectric Sensors: E58 Series Harsh Duty](#)

### Catalogs

[Eaton's Volume 8—Sensing Solutions](#)

[Product Range Catalog Sensors – products, basic information, applications](#)

### Drawings

[E58 HARSH DUTY PHOTOELECTRIC SENSOR - 004](#)

### Specifications and datasheets

[Eaton Specification Sheet - E58-18DP100-HL](#)



Eaton Corporation plc  
Eaton House  
30 Pembroke Road  
Dublin 4, Ireland  
Eaton.com  
© 2024 Eaton. All Rights Reserved.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.



[Eaton.com/socialmedia](https://www.eaton.com/socialmedia)