

**INDUSTRIAL COMPONENT DATA**

# MDI58F 838 MDI58F100Z5/30L10XXPA MICRO DETECTORS Incremental Encoder Hollow Shaft 58mm, Flange F, Resolution..

Brand: MICRO DETECTORS | Manufacturer Part Number: MDI58F 838



|                 |                 |
|-----------------|-----------------|
| Manufacturer    | MICRO DETECTORS |
| MPN / Reference | MDI58F 838      |
| Catalog number  | MDI58F 838      |
| Category        | Sensors         |
| Minimum order   | 1 unit          |
| Document ID     | EO-0BB40160DC   |
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## Product Overview

MDI58F 838 MDI58F100Z5/30L10XXPA MICRO DETECTORS Incremental Encoder Hollow Shaft 58mm, Flange F, Resolution..

**STRUCTURED PRODUCT DATA**

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

|              |                           |
|--------------|---------------------------|
| Catalog path | MICRO DETECTORS > Sensors |
|--------------|---------------------------|

## Additional Product Information

**Technical features**

Resolution da 100 a 2500 ppr

counting direction A leads B clockwise (shaft view)

**Application**

max output frequency 220 kHz

**Outputs**

Output type push-pull / line driver

**Electrical data**

Operating Voltage 5/30 = 4,5 ... 30 V DC (reverse polarity protection)

No-Load supply current 800 mW

max load current 20 mA / channel

**Mechanical data**

Weight 350 g (12,35 oz)  
Housing Material PA66 glass fiber reinforced  
Operating temperature -20° ... +70°C (-4° ... +158°F)  
Storage temperature -25° ... +70°C (-13° ... +158°F)  
max shaft load 200 N  
Hole diameter Ø 10 / 15 mm  
max rotation speed 3000 rpm  
moment of inertia 4 x 10<sup>-6</sup> kgm<sup>2</sup>  
starting torque at 20°C < 0,02 Nm (IP 54) < 0,06 Nm (IP 66)  
Fixing torque for collar clamping 1 Nm max  
shaft material 1.4305 / AISI 303 stainless steel  
bearings 2 ball bearings  
bearings life 109 revolutions  
Test/Approvals  
EMC compatibility IEC 61000-6-2 IEC 61000-6-4  
Shocks and vibrations 10 G, 10 ... 2000 Hz (IEC 60068-2-6)  
Degree of protection X = IP 54 (IEC 60529) S = IP 66 (IEC 60529)  
Dimension (mm)

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send MICRO DETECTORS / MDI58F 838 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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