

INDUSTRIAL COMPONENT DATA

MDI58F 844 MDI58F250Z5/30L10XXPA MICRO DETECTORS Incremental Encoder Hollow Shaft 58mm, Flange F, Resolution..

Brand: MICRO DETECTORS | Manufacturer Part Number: MDI58F 844



Manufacturer	MICRO DETECTORS
MPN / Reference	MDI58F 844
Catalog number	MDI58F 844
Category	Sensors
Minimum order	1 unit
Document ID	EO-4A8F00B85F
Generated	2026-08-02

Product Overview

MDI58F 844 MDI58F250Z5/30L10XXPA 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 $\varnothing$ 10 / 15 mm
max rotation speed 3000 rpm
moment of inertia 4×10^{-6} kgm²
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 844 with the required quantity to info@electricaonline.com or use 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.