

INDUSTRIAL COMPONENT DATA

MDI58F 833 MDI58F1600S5/30L10XXPA MICRO DETECTORS Incremental Encoder Hollow Shaft 58mm, Flange F, Resolutio..

Brand: MICRO DETECTORS | Manufacturer Part Number: MDI58F 833



Manufacturer	MICRO DETECTORS
MPN / Reference	MDI58F 833
Catalog number	MDI58F 833
Category	Sensors
Minimum order	1 unit
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Product Overview

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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 10⁻⁶ 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 833 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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