MA500-Series Test

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MA500

MA500-Series Test

Flexible and durable encoder for demanding applications.
Incremental encoder Ø30mm.

Main features

- 2 years warrenty
- Superfast

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Conforms to european EMC directive 89/336/EEC standards
EN50081-1 emission in industrial environments
EN50082-2 immunity in industrial environment

Model

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Article ID

MA500

Electrical Specs

Power Supply	7-35Vdc
Current Consumption	Max 40mA, without load
Output Circuit	HTL
Low Level Output Volt	<0,5 V at 20 mA load and 20°C
High Level Output Volt	Min >Vcc-2V at 20mA load and 20°C
Max Load	70 mA
Polarity Protected	✓
Transient Protected	✓

Connections

1xU Axial cable	1xLU Axial cable
2xU Radial cable	9 Axial 4-pin M8 male connector

Mating Cables

M8SR5, Snap Straight 5m 4x0,25 PUR/PUR

M8SV2, Snap Angled 2m 4x0,25 PUR/PUR

M8SV5, Snap Angled 5m 4x0,25 PUR/PUR

Signal Accuracy

Dividing Error Max	±50 el°
Channel Separation	90 ±25 el°
Max Frequency	100 kHz
Operating Temperature	-40° to +80°C

Functions

Signal	Cable	9 Connector	Mating cable M8
1	Green	3 Blue	Blue
2	Yellow	4 Black	Black
+V	Brown	1 Brown	Brown
0V	White	2 White	White
		Chassis	

Mechanical Specification

Housing	Aluminum, electrically conductive for increased interference protection
Sealing	IP67 dust and splash proof (IP66 at shaft outlet)
Bearings	Permanently greased
Bearing Load At	1 000 rpm
Bearing Axial	30N
Bearing Radial	30N
Max RPM	3 000 (12 000)
Vibration	20g 20-2000 Hz
Shock	200g at 11 ms

Other

Customization	upon request
ExternPulsmätare	akrok3

Ordering Key

Model MA500	MA500
Pulsrate 2-1250	0200
Shaft 4-6mm	06
Connection Cable	1
x-cable length (m) 2	1xU

Example

MA500 - 0200 - 06 - 1 - 1xU

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