ELECTROMECHANICAL INCREMENTAL ENCODER & FO EXTENDER QUICK GUIDE

PRODUCT MODEL	 **ESI58HA** **ENI58HA**	 **ESI58T** **ENI58T**	 **ESIX50** **ENIX50**	 **ESI70EX** **ENI70EX**	 **DIST-ENC-HT** Encoder Cables	 **MR361-1** FO Extender for EM Encoders
Description	High Resolution to 36'000 ppr	High Temperature to 100°C	Heavy Duty Ex 2/22	ATEX/IECEx Ex d IIC T4 - T6 Gb Ex tb IIIC T135°C - T85°C Db	Rugged, high temperature twisted-pair encoder cables for EMI/RFI resistance and indoor/outdoor use	FO XMTR/RCVR, provides interference-free extension of non-FO incremental encoders
Resolution (ppr) Options	6'000-36'000	25-5'000ppr	1-5'000ppr	25-5'000ppr	Encoder dependent	4-Channels, typically for A/B or A/B/Z encoder interfaces, Max 400kHz
Size Options	Size 58mm	Size 58mm	Size 50mm-63.5mm	Size 70mm	Lengths 1-30m	Compatible with multimode OM1 (62.5/125) and OM2/OM3 (50/125)
ESI Shaft Options	6/10mm	6/10mm	6/10mm	10/12mm	---	Up to 2000m
ENI Bore Options	6/8/10/12mm	6/8/10/12mm	6/8/10/12mm	12/14mm	---	RS422 or HTL option
Output Options	RS422 and HTL/Push-Pull				Compatible with Micronor absolute and incremental encoders	Unused channel(s) can transmit other signals – including overspeed limit, emergency stop, etc.
Connectivity Options	Pigtail or DIN M23-12C or DIN M12-5C				Wiring Clamps	Simplex ST
Power Supply Option	5V or 10-30V DC NOTE: We recommend 10-30VDC Push-Pull for new applications				5V or 10-30V DC	5V or 10-30V DC
Operating Temperature	IP40: -20°C .. +105°C IP66: -20°C .. +90°C	IP40: -20°C .. +110°C IP66: -20°C .. +90°C	-40°C .. +85°C ---	-40°C .. +60°C	-40°C ..+135°C	FO Cabling Junction Boxes
RECOMMENDED QUICK SHIP PRODUCTS	ESI58HA.1265.36000	---	---	---	DIST-ENC-HT-01 (1m) DIST-ENC-HT-15 (15m)	For use with 10-30VDC HTL Encoders: MR361-1-0-3-0 (XMTR) MR361-1-1-3-0 (RCVR)

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ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

ESI=Solid Shaft models
ENI=Hollow Shaft models

98-0FBU-23-A
QR Code to EM Encoders

micronor sensors

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