# ELECTROMECHANICAL ABSOLUTE ENCODERS & FO EXTENDER QUICK GUIDE

| PRODUCT MODEL |  **ESAV361 ENAV361** |  **ESAV36 ENAV36** |  **ESAV58 (Shafted Only)** |  **ESAX 58 ENAX58** |  **ESAMX58 ENAMX58** |  **MR361-2** FO Extender for EM SSI Encoders |
|---|---|---|---|---|---|---|
| Description | ST Abs Encoder, 0-10V or 4-20mA | MT Abs Encoder, 0-10V or 4-20mA | MT Abs Encoder, 0-10V or 4-20mA | Single Turn, SSI Absolute Encoder | Multiturn, SSI Absolute Encoder | FO XMTR/RCVR, provides interference-free extension of SSI Absolute Encoders |
| Resolution (ppr) Options | 12 bit (4096) | | | ST 10-17 bits | ST 10-17 bits<br>MT up to 65K revolutions | SSI, 1-99 bits,<br>Clock = max 1 MHz |
| Size Options | Size 36mm | Size 36mm | Size 58mm | Size 58mm or 2.5" Square Flange | | Compatible with multimode OM1 (62.5/125) and OM2/OM3 (50/125) |
| ESA Shaft Options | 6/8/10mm/0.25" | 6/8/10mm/0.25" | 6/10mm | 6/10mm/0.25"/0.375" | | Up to 2000m |
| ENA Bore Options | 6/8/10mm/0.25" | 6/8/10mm/0.25" | --- | 10/12/14/15mm/0.375"/0.5" | | 5V or 10-30V operation |
| Output Options | 0-10V or 4-20mA, Programmable MIN/MAX and DIR | | | SSI, Programmable SET and DIR<br>Optional Incremental Quadrature or SinCos outputs | | Unused channel(s) can transmit other signals – including overspeed limit, emergency stop, etc. |
| Connectivity Options | Pigtail or DIN M12-5C | | | Pigtail or DIN M12-5C or DIN M23-12C | | Simplex ST |
| Power Supply Option | 10-30V DC | | | 5V or 10-30V DC | | 5V or 10-30V DC |
| Operating Temperature | -40°C..+85°C | | | -40°C..+90°C | | -10°C ..+70°C |
| Additional Applications | --- | --- | Also for use with Draw Wire Modules (1-50m) for Linear Position applications | --- | Also for use with Draw Wire Modules (1-50m) for Linear Position applications | For use with 10-30VDC SSI Absolute Encoders:<br>MR361-2-0-0-0 (XMTR)<br>MR361-2-1-0-0 (RCVR) |

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ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

ST=Single Turn ESA=Solid Shaft models
MT=Multiturn ENA=Hollow Shaft models

98-0FBU-24-A
QR Code to EM Encoders

micronor sensors

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