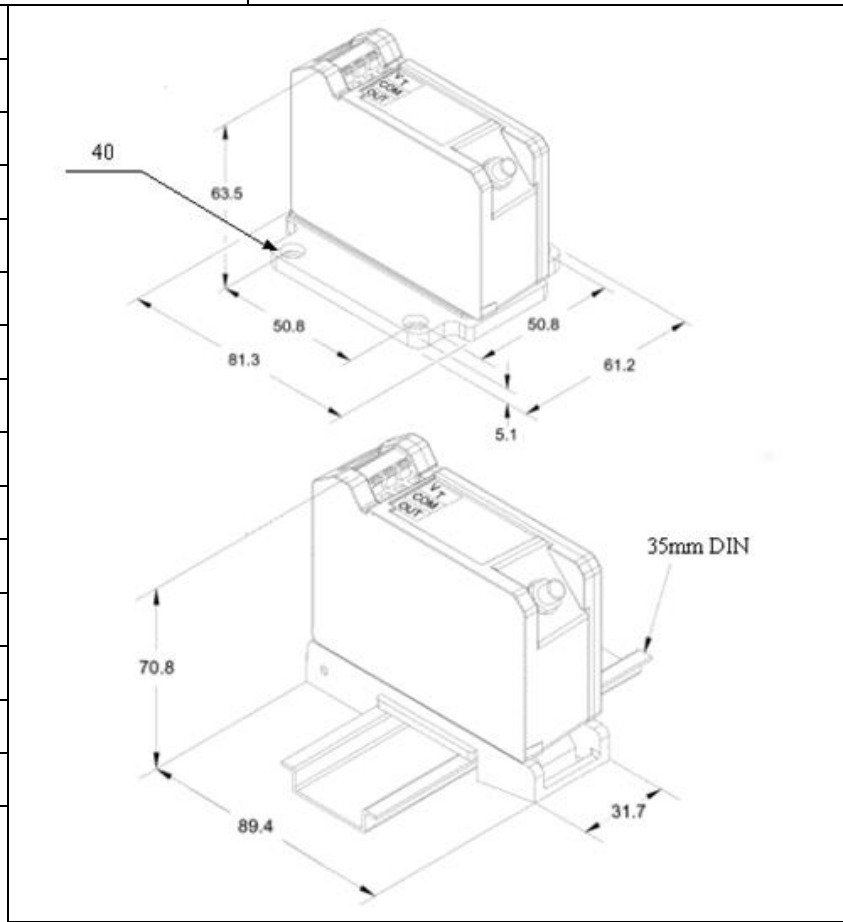



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|-------------------------------------|---|---|
| Product Model: MM401D series | Proximity (Eddy) Displacement Sensor | Version: A Date: 9/1/2025 |
|-------------------------------------|---|---|

MM401D Series of non-contact eddy current displacement sensor is based on the principle of eddy current effect formed by high-frequency magnetic field on the metal surface, which is an ideal sensor for detecting and controlling the displacement, vibration, rotational speed and other mechanical quantities of metal objects. It has the obvious advantages of non-contact measurement, wide linear range, high sensitivity, strong anti-interference ability, no media influence, stable and reliable, easy to handle.



| Performance | MM401D02 |
|----------------------------------|-----------------|
| Output | -2 ~ -18 VDC |
| Sensitivity(±2%) | 8 V/mm |
| Measurement Range | 0.5 ~ 2.5 mm |
| Frequency Range(±3 dB) | DC ~ 5,000 Hz |
| Non-linearity | ±1% |
| Temperature Range(Probe) | -20 ~ +100 °C |
| Temperature Range(Pre-amplifier) | -20 ~ +70 °C |
| Probe Output Connector | SMA |
| Pre-amplifier Output Type | Terminals |
| Power Supply | -24VDC/12mA |
| Probe Diameter | Φ8 mm |
| Probe Mounting Size | M10×1-50 |
| Pre-amplifier Size | 32×90×71 |
| Calibration Material | #45 Steel |



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|  | <h2>Metromatics</h2> <p>ABN: 47 007 346 287</p> |
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|-------------|--|
| Accessories | <ol style="list-style-type: none"> Cable with probe 1ea 5m Certificate of inspection 1ea |
| Remark | <p>Pre-amplifier DIN type is available. Extension cable or armored cable is available</p> |

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