

## DISTANCE MEASUREMENT MODULE



### PRECISION MEETS FUNCTIONAL SAFETY

The DSM-500 is a dual ultrasonic measurement system designed for reliable distance detection with integrated safety functionality.

- » Master-slave sensor setup with alternating transmit/receive function
- » High-precision ultrasonic distance measurement
- » Certified according to DIN EN ISO 13849 PL d
- » Suitable for safety-relevant applications in mobile machinery

| Technical data              |                 |
|-----------------------------|-----------------|
| Name                        | DSM-500 Master  |
| Article number              | 04-21-10150     |
| Voltage range               | 9 ... 30 V DC   |
| Current consumption         | < 150 mA        |
| Ingress protection rating   | IP 67           |
| Measuring range             | 0.05 ... 5 m    |
| Operating temperature range | - 20°...+ 70°C  |
| Storage temperature range   | - 40°...+ 80°C  |
| Resolution                  | 5 mm            |
| Size (LxWxH)                | 99 x 71 x 68 mm |
| Output signal               | 2x CANopen      |



| Name          | Article number | Connectors                   | Remark                               |
|---------------|----------------|------------------------------|--------------------------------------|
| DSM-500 Slave | 04-21-10160    | 1x M12 5-pin<br>1x M12 8-pin | System consists of master and slave. |
| DSM-500 Slave | 04-21-10170    | 1x M12 8-pin                 | System consists of master and slave. |