

Basic



95B066610

IS-08-G2-S2

**NON-CONTACT DETECTION COST EFFECTIVE AND
RELIABLE DETECTION OF ANY METAL PART**

OVERVIEW

- Standard proximity M4, M5, M8, M12, M18, M30
- Double range (i.e. M12 4mm, M18 14mm, M30 20mm)
- Unshielded or shielded models for flush mounting
- Nickel brass or stainless steel short and long housing
- Ecolab and Diversy certifications for industrial detergents
- Multi-voltage, Metal face, Weld field immune models
- NO/NC, NPN or PNP output and programmable versions.

TECHNICAL FEATURES

Detection properties

| | |
|--------------------------|-------------------------------------------------------------------------------------------|
| Nominal sensing distance | 2mm |
| Operanting distance | 0...1,62mm |
| Standard target | 8x8mm FE360 |
| Correction Factor | copper: 0,2...0,5 / aluminium: 0,3...0,5 / brass: 0,4...0,6 / staineless steel: 0,7...0,9 |

| | |
|-----------------|----------------------------|
| Repeat Accuracy | < 3% (UB 24V Ta=23°C ±5°C) |
|-----------------|----------------------------|

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|------------|-------|
| Hysteresis | < 10% |
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Application

| | |
|-------------|---------------------------|
| Description | M8 short case flush mount |
|-------------|---------------------------|

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|-----------|-----------|
| Functions | Proximity |
|-----------|-----------|

Outputs

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|-------------|-----|
| Output type | PNP |
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|-----------------|----|
| Output Function | NC |
|-----------------|----|

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|---------------------|-------|
| Switching frequency | 500Hz |
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|---------------|---|
| Response time | 1 |
|---------------|---|

Electrical data

| | |
|-------------------|------------|
| Operating Voltage | 10...30Vdc |
|-------------------|------------|

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|------------------------|--------|
| No-Load supply current | ≤ 10mA |
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|--------------|-------|
| Load current | 200mA |
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|---------------------|---------------|
| Output voltage drop | ≤ 1,2V @100mA |
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| Max ripple content | ≤ 10% |
|--------------------|-------|

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|----------------|-------------------------|
| LED indicators | Yellow LED output state |
|----------------|-------------------------|

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|--------------------------------|--------|
| Time delay before availability | ≤ 75ms |
|--------------------------------|--------|

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|--------------------------|-----|
| Short-circuit protection | Yes |
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|-----------------------------|-----|
| Reverse Polarity Protection | Yes |
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|----------|---------|
| Emission | ≥100kHz |
|----------|---------|

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|------------------------------------|-----|
| Protection against inductive loads | Yes |
|------------------------------------|-----|

Mechanical data

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|----------|----------|
| Mounting | Shielded |
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|------------|-------|
| Dimensions | Ø8x53 |
|------------|-------|

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|------------------|---------------------|
| Housing Material | Nickel-plated brass |
|------------------|---------------------|

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|-------------|----------|
| Connections | M12 Plug |
|-------------|----------|

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|----------------------|-----|
| Active Head Material | LCP |
|----------------------|-----|

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|-------------------|-----|
| Tightening torque | 2Nm |
|-------------------|-----|

| | |
|----------|---------------------|
| Material | Nickel-plated brass |
|----------|---------------------|

| | |
|--------------------|----|
| Diameter/Dimension | M8 |
|--------------------|----|

Test/Approvals

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| Approvals | CE cULus |
|-----------|----------|

Accessories

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|----------------------|-------------|
| Supplied Accessories | 2 nuts M8x1 |
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Generical Data

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|------------|---------------|
| Dimensions | Ø8 / L = 53mm |
|------------|---------------|

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|-----------------------|---------------|
| Operating Temperature | -25°C...+60°C |
|-----------------------|---------------|

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|-----------------------|------|
| Mechanical Protection | IP67 |
|-----------------------|------|

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