

# Basic



**95B063691**

**IS-30-G1-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 Diversey 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 | 15mm  |
| Operanting distance      | 0...12,1mm  |
| Standard target          | 45x45mm 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) |
|-----------------|----------------------------|

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

### Application

|             |                            |
|-------------|----------------------------|
| Description | M30 short case flush mount |
|-------------|----------------------------|

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

### Outputs

|             |     |
|-------------|-----|
| Output type | PNP |
|-------------|-----|

|                 |    |
|-----------------|----|
| Output Function | NO |
|-----------------|----|

|                     |       |
|---------------------|-------|
| Switching frequency | 200Hz |
|---------------------|-------|

|               |     |
|---------------|-----|
| Response time | 2,5 |
|---------------|-----|

### Electrical data

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

|                        |        |
|------------------------|--------|
| No-Load supply current | ≤ 10mA |
|------------------------|--------|

|              |       |
|--------------|-------|
| Load current | 200mA |
|--------------|-------|

|                     |               |
|---------------------|---------------|
| Output voltage drop | ≤ 1,2V @100mA |
|---------------------|---------------|

|                    |       |
|--------------------|-------|
| Max ripple content | ≤ 10% |
|--------------------|-------|

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

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

|                          |     |
|--------------------------|-----|
| Short-circuit protection | Yes |
|--------------------------|-----|

|                             |     |
|-----------------------------|-----|
| Reverse Polarity Protection | Yes |
|-----------------------------|-----|

|          |         |
|----------|---------|
| Emission | ≥100kHz |
|----------|---------|

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

#### Mechanical data

|            |        |
|------------|--------|
| Dimensions | Ø30x57 |
|------------|--------|

|          |          |
|----------|----------|
| Mounting | Shielded |
|----------|----------|

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

|                  |                     |
|------------------|---------------------|
| Housing material | Nickel-plated brass |
|------------------|---------------------|

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

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

|                   |      |
|-------------------|------|
| Tightening torque | 40Nm |
|-------------------|------|

|                    |     |
|--------------------|-----|
| Diameter/Dimension | M30 |
|--------------------|-----|

#### Test/Approvals

|           |                          |
|-----------|--------------------------|
| Approvals | CE cULus ECOLAB DIVERSEY |
|-----------|--------------------------|

#### Accessories

|                      |                |
|----------------------|----------------|
| Supplied Accessories | 2 nuts M30x1.5 |
|----------------------|----------------|

#### Generical Data

|            |                |
|------------|----------------|
| Dimensions | Ø30 / L = 57mm |
|------------|----------------|

|                       |               |
|-----------------------|---------------|
| Operating Temperature | -25°C...+70°C |
|-----------------------|---------------|

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

**Datasensing  
S.r.l.**

Strada S.Caterina, 235  
41122 Modena (MO)  
Tel. 059 420411  
Fax 059 253973  
E-mail  
info@datasensing.com

**date of  
printing**  
15/06/2026  
16:33:22