



## Inductive sensor

IMC4020BCPKG/K1/US-100-DPA

Article no longer available - archive entry

Alternative articles: IM5132

When selecting an alternative article and accessories please note that technical data may differ!



## Product characteristics

|                    |               |
|--------------------|---------------|
| Electrical design  | PNP           |
| Output function    | complementary |
| Sensing range [mm] | 20            |
| Housing            | rectangular   |
| Dimensions [mm]    | 40 x 40 x 66  |

## Application

|                 |                                               |
|-----------------|-----------------------------------------------|
| Special feature | Gold-plated contacts; Correction factor K = 1 |
|-----------------|-----------------------------------------------|

## Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | 20; (24 V) |
| Protection class            | II         |
| Reverse polarity protection | yes        |

## Outputs

|                   |     |
|-------------------|-----|
| Electrical design | PNP |
|-------------------|-----|

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|                                                 |       |                                                                             |                 |
|-------------------------------------------------|-------|-----------------------------------------------------------------------------|-----------------|
| Output function                                 |       | complementary                                                               |                 |
| Max. voltage drop switching output DC           | [V]   | 2.5                                                                         |                 |
| Permanent current rating of switching output DC | [mA]  | 250                                                                         |                 |
| Switching frequency DC                          | [Hz]  | 200                                                                         |                 |
| Short-circuit protection                        |       | yes                                                                         |                 |
| Type of short-circuit protection                |       | pulsed                                                                      |                 |
| Overload protection                             |       | yes                                                                         |                 |
| Detection zone                                  |       |                                                                             |                 |
| Sensing range                                   | [mm]  | 20                                                                          |                 |
| Real sensing range Sr                           | [mm]  | 20 ± 10 %                                                                   |                 |
| Operating distance                              | [mm]  | 0...16.2                                                                    |                 |
| Accuracy / deviations                           |       |                                                                             |                 |
| Correction factor                               |       | steel: 1 / stainless steel: 1.1 / brass: 1.1 / aluminium: 1.1 / copper: 1.1 |                 |
| Hysteresis                                      | [X01] | 3...15                                                                      |                 |
| Switch point drift                              | [X01] | -10...10                                                                    |                 |
| Correction factor K = 1                         |       | yes                                                                         |                 |
| Operating conditions                            |       |                                                                             |                 |
| Ambient temperature                             | [°C]  | -25...70                                                                    |                 |
| Protection                                      |       | IP 67                                                                       |                 |
| Tests / approvals                               |       |                                                                             |                 |
| EMC                                             |       | EN 60947-5-2                                                                |                 |
|                                                 |       | EN 55011                                                                    | class B         |
| Mechanical data                                 |       |                                                                             |                 |
| Housing                                         |       | rectangular                                                                 |                 |
| Mounting                                        |       | flush mountable                                                             |                 |
| Dimensions                                      | [mm]  | 40 x 40 x 66                                                                |                 |
| Materials                                       |       | housing: PPE; sensing face: PPE; end cap: PPS; clamp: PPS                   |                 |
| Displays / operating elements                   |       |                                                                             |                 |
| Display                                         |       | switching status                                                            | 1 x LED, yellow |
|                                                 |       | operation                                                                   | 1 x LED, green  |
| Аксессуары                                      |       |                                                                             |                 |
| Items supplied                                  |       | Mounting bracket: 1                                                         |                 |
|                                                 |       | Allen key: 1                                                                |                 |
| Remarks                                         |       |                                                                             |                 |
| Pack quantity                                   |       | 1 pcs.                                                                      |                 |

# IM5067



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### Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: gold-plated



### Connection

