



## Inductive sensor

IW-2008-ARKG/PH

Article no longer available - archive entry



## Product characteristics

|                    |               |
|--------------------|---------------|
| Electrical design  | PNP/NPN       |
| Output function    | normally open |
| Sensing range [mm] | 8             |
| Housing            | rectangular   |
| Dimensions [mm]    | 60 x 36 x 10  |

## Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...55 DC |
| Reverse polarity protection | yes        |

## Outputs

|                                                      |                    |
|------------------------------------------------------|--------------------|
| Electrical design                                    | PNP/NPN            |
| Output function                                      | normally open      |
| Max. voltage drop switching output DC [V]            | 4.6                |
| Minimum load current [mA]                            | 4                  |
| Max. leakage current [mA]                            | 0.6                |
| Permanent current rating of switching output DC [mA] | 100                |
| Switching frequency DC [Hz]                          | 300                |
| Short-circuit protection                             | yes                |
| Type of short-circuit protection                     | yes (non-latching) |
| Overload protection                                  | yes                |

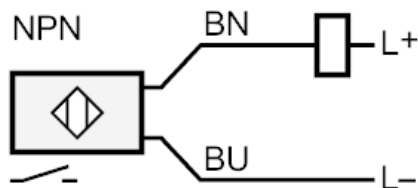
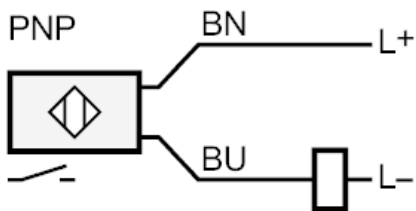
# IW5040



## Inductive sensor

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| Monitoring range                    |                  |                                                                            |
|-------------------------------------|------------------|----------------------------------------------------------------------------|
| Sensing range                       | [mm]             | 8                                                                          |
| Real sensing range Sr               | [mm]             | 8 ± 10 %                                                                   |
| Operating distance                  | [mm]             | 0...6.5                                                                    |
| Accuracy / deviations               |                  |                                                                            |
| Correction factor                   |                  | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.4 / copper: 0.3 |
| Hysteresis                          | [% of Sr]        | 1...15                                                                     |
| Switch-point drift                  | [% of Sr]        | -10...10                                                                   |
| Operating conditions                |                  |                                                                            |
| Ambient temperature                 | [°C]             | -25...80                                                                   |
| Protection                          |                  | IP 67                                                                      |
| Tests / approvals                   |                  |                                                                            |
| EMC                                 | EN 60947-5-2     |                                                                            |
| Mechanical data                     |                  |                                                                            |
| Housing                             |                  | rectangular                                                                |
| Mounting                            |                  | non-flush mountable                                                        |
| Dimensions                          | [mm]             | 60 x 36 x 10                                                               |
| Material                            |                  | PBT                                                                        |
| Displays / operating elements       |                  |                                                                            |
| Display                             | Switching status | 1 x LED, yellow                                                            |
| Remarks                             |                  |                                                                            |
| Pack quantity                       |                  | 1 pcs.                                                                     |
| Electrical connection               |                  |                                                                            |
| Cable: 2 m, PUR / PVC; 2 x 0.14 mm² |                  |                                                                            |
| Connection                          |                  |                                                                            |



BN = Core colors :  
brown  
BU = blue