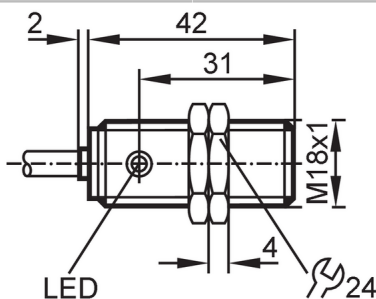


IG5716



Inductive sensor

IGC2005-ARKG/JP



Product characteristics

| | | |
|-------------------|------|------------------|
| Electrical design | | PNP/NPN |
| Output function | | normally open |
| Sensing range | [mm] | 5 |
| Housing | | threaded type |
| Dimensions | [mm] | M18 x 1 / L = 44 |

Electrical data

| | | |
|-----------------------------|-----|------------|
| Operating voltage | [V] | 10...36 DC |
| Protection class | | II |
| 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] | 0.8 |
| Permanent current rating of switching output DC | [mA] | 150 |
| Switching frequency DC | [Hz] | 720 |
| Short-circuit protection | | yes |
| Type of short-circuit protection | | pulsed |
| Overload protection | | yes |

Detection zone

| | | |
|-----------------------|------|----------|
| Sensing range | [mm] | 5 |
| Real sensing range Sr | [mm] | 5 ± 10 % |
| Operating distance | [mm] | 0...4.05 |

Accuracy / deviations

| | | |
|--------------------|-----------|---|
| Correction factor | | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |
| Hysteresis | [% of Sr] | 1...15 |
| Switch point drift | [% of Sr] | -10...10 |

Operating conditions

| | | |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
|---------------------|------|----------|

IG5716



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IGC2005-ARKG/JP

| | |
|------------|-------|
| Protection | IP 67 |
|------------|-------|

Tests / approvals

| | | |
|--------------|--------------|---------|
| EMC | EN 60947-5-2 | |
| | EN 55011 | class B |
| MTTF [years] | 2642 | |

Mechanical data

| | |
|--------------------|------------------|
| Weight [g] | 118.2 |
| Housing | threaded type |
| Mounting | flush mountable |
| Dimensions [mm] | M18 x 1 / L = 44 |
| Thread designation | M18 x 1 |
| Materials | housing: PBT |

Displays / operating elements

| | | |
|---------|------------------|-----------------|
| Display | switching status | 1 x LED, yellow |
|---------|------------------|-----------------|

Accessories

| | |
|----------------|--------------|
| Items supplied | lock nuts: 2 |
|----------------|--------------|

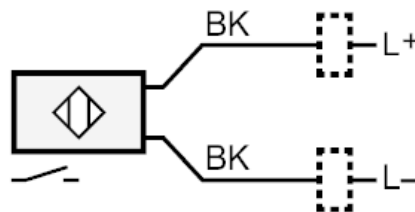
Remarks

| | |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm²

Connection



BK = Core colours :
black