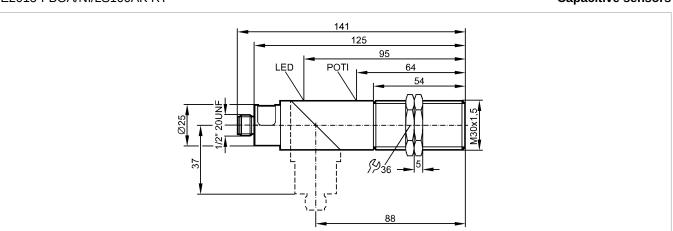
efectoriso

KI3513

KIE2015-FBOA/NI/LS100AK RT



CE

Made in USA

| Plastic thread M30 x 1.5ConnectorFactory setting:normally openIncreased immunity to conducted radio frequency interferenceSensing range 15 mm; adjustable 315 mm; [nf] non-flush mountableElectrical dataElectrical dataElectrical designOperating voltage[V]Protection classIReverse polarity protectionNutput functionOutput functionOutput functionVoltage drop[V]Ac/ > 2.5 (250 V AC) / < 1.5 (24 V DC)Current rating- Current rating (continuous)Current rating (peak)Short-circuit proofNort-circuit proof | Product characteristics | | | | | | |
|---|--|----------|--|--|--|--|--|
| ConnectorFactory setting:normally openIncreased immunity to conducted radio frequency interferenceSensing range 15 mm; adjustable 315 mm; [nf] non-flush mountableElectrical dataElectrical designAC/DCOperating voltage[V]Protection classIReverse polarity protectionnoOutputsOutput functionnormally open / closed programmableVoltage drop[V]Act / < 8 DC | Capacitive sensor | | | | | | |
| Factory setting:normally openIncreased immunity to conducted radio frequency interferenceSensing range 15 mm; adjustable 315 mm; [nf] non-flush mountableElectrical dataElectrical designAC/DCOperating voltage[V]Protection classIReverse polarity protectionnoOutputsOutputsOutput functionnormally open / closed programmableVoltage drop[V]Voltage drop[V]Minimum load current[mA]Seakage current[mA]Current rating (continuous)[mA]- Current rating (peak)[mA]Short-circuit proofno | Plastic thread M30 x 1.5 | | | | | | |
| Increased immunity to conducted radio frequency interferenceSensing range 15 mm; adjustable 315 mm; [nf] non-flush mountableElectrical dataElectrical designAC/DCOperating voltage[V]Protection classIReverse polarity protectionnoOutputsOutputsOutput functionnormally open / closed programmableVoltage drop[V]Kakage current[mA]Seakage current[mA]Current rating (continuous)250 (50 °C) / 200 (70 °C)Current rating (peak)[mA]Short-circuit proofno | Connector | | | | | | |
| Sensing range 15 mm; adjustable 315 mm; [nf] non-flush mountableElectrical dataElectrical designAC/DCOperating voltage[V]20250 AC/DCProtection classIReverse polarity protectionnoOutputsOutput functionnormally open / closed programmableVoltage drop[V]Voltage drop[V]Minimum load current[mA]Leakage current[mA]- Current rating250 (50 °C) / 200 (70 °C)- Current rating (peak)[mA]Short-circuit proofno | Factory setting:normally open | | | | | | |
| Electrical data Electrical design Operating voltage (V) Protection class Reverse polarity protection no Outputs Output function Voltage drop (V) Kexerse polarity protection no Outputs Output function Normally open / closed programmable Voltage drop (V) Keakage current (mA) Current rating - Current rating (continuous) (mA) 250 (50 °C) / 200 (70 °C) - Current rating (peak) Short-circuit proof | Increased immunity to conducted radio frequency interference | | | | | | |
| Electrical designAC/DCOperating voltage[V]20250 AC/DCProtection classIReverse polarity protectionnoOutputsOutput functionnormally open / closed programmableVoltage drop[V]<10 AC / < 8 DC | Sensing range 15 mm; adjustable 315 mm; [nf] non-flush mountable | | | | | | |
| Operating voltage[V]20250 AC/DCProtection classIReverse polarity protectionnoOutputsnoOutput functionnormally open / closed programmableVoltage drop[V]< 10 AC / < 8 DC | Electrical data | | | | | | |
| Protection classIReverse polarity protectionnoOutputsOutput functionnormally open / closed programmableVoltage drop[V]Kinimum load current[mA]Leakage current[mA]Current rating- Current rating (continuous)[mA]- Current rating (peak)[mA]Short-circuit proofno | Electrical design | | AC/DC | | | | |
| Reverse polarity protectionnoOutputsOutput functionnormally open / closed programmableVoltage drop[V]< 10 AC / < 8 DCMinimum load current[mA]5Leakage current[mA]< 2.5 (250 V AC) / < 1.7 (110 V AC) / < 1.5 (24 V DC)Current rating250 (50 °C) / 200 (70 °C)- Current rating (peak)[mA]î: 2.2 A (20 ms / 0.5 Hz)Short-circuit proofno | Operating voltage | [V] | 20250 AC/DC | | | | |
| OutputsOutput functionnormally open / closed programmableVoltage drop[V]< 10 AC / < 8 DC | Protection class | | <u> </u> | | | | |
| Output functionnormally open / closed programmableVoltage drop[V]< 10 AC / < 8 DC | Reverse polarity protection | | no | | | | |
| Voltage drop [V] Minimum load current [mA] Leakage current [mA] Current rating - Current rating (continuous) [mA] - Current rating (peak) [mA] Short-circuit proof no | Outputs | | | | | | |
| Minimum load current [mA] 5 Leakage current [mA] < 2.5 (250 V AC) / < 1.7 (110 V AC) / < 1.5 (24 V DC) | Output function | | normally open / closed programmable | | | | |
| Leakage current [mA] < 2.5 (250 V AC) / < 1.7 (110 V AC) / < 1.5 (24 V DC) | Voltage drop | [V] | < 10 AC / < 8 DC | | | | |
| Current rating - Current rating (continuous) [mA] 250 (50 °C) / 200 (70 °C) - Current rating (peak) [mA] î: 2.2 A (20 ms / 0.5 Hz) Short-circuit proof | Minimum load current | [mA] | 5 | | | | |
| - Current rating (continuous) [mA] 250 (50 °C) / 200 (70 °C) - Current rating (peak) [mA] î: 2.2 A (20 ms / 0.5 Hz) Short-circuit proof no | Leakage current | [mA] | < 2.5 (250 V AC) / < 1.7 (110 V AC) / < 1.5 (24 V DC) | | | | |
| - Current rating (peak) [mA] î: 2.2 A (20 ms / 0.5 Hz) Short-circuit proof no | Current rating | | | | | | |
| Short-circuit proof no | - Current rating (continuous) | [mA] | 250 (50 °C) / 200 (70 °C) | | | | |
| | - Current rating (peak) | [mA] | î: 2.2 A (20 ms / 0.5 Hz) | | | | |
| | Short-circuit proof | | no | | | | |
| Overload protection no | Overload protection | | no | | | | |
| Switching frequency [Hz] 25 AC / 50 DC | Switching frequency | [Hz] | 25 AC / 50 DC | | | | |
| Range | Range | | | | | | |
| Sensing range [mm] 15, adjustable 315 mm | Sensing range | [mm] | 15, adjustable 315 mm | | | | |
| Real sensing range (Sr)[mm]15 ± 10 % | Real sensing range (Sr) | [mm] | 15 ± 10 % | | | | |
| Operating distance [mm] 012.1 | Operating distance | [mm] | 012.1 | | | | |
| Accuracy / deviations | | | | | | | |
| Correction factors water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2 | Correction factors | | water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2 | | | | |
| Hysteresis [% of Sr] 115 | Hysteresis [⁰ | % of Sr] | 115 | | | | |
| Switch-point drift [% of Sr] -1515 | Switch-point drift [| % of Sr] | -1515 | | | | |
| Environment | Environment | | | | | | |
| Ambient temperature [°C] -2570 | Ambient temperature | [°C] | -2570 | | | | |





KI3513

KIE2015-FBOA/NI/LS100AK RT



| Protection | | IP 65 | | |
|--|---------|--------------------------------|--|--|
| Tests / approvals | | | | |
| EMC | | IEC 60947-5-2: | 1997 + A1: 1999 + A2: 2003 | |
| MTTF | [Years] | | 294 | |
| Mechanical data | | | | |
| Mounting | | non-flush mountable | | |
| Housing materials | | PBT; brass nickel-plated | | |
| Weight | [kg] | | 0.164 | |
| Displays / operating ele | ments | | | |
| Output status indication | LED | | red | |
| Electrical connection | | | | |
| Connection | | | 1/2" connector | |
| Wiring $3 \xrightarrow{2}{1}^{2}$ 1 Note: miniature fuse to IEC60127-2 sheet 1, $\leq 2 \text{ A}$ (fast acting) | | | | |
| Accessories | | | | |
| Accessories (included) | | 2 lock nuts; screwdriver | | |
| Remarks | | | | |
| Remarks | | Recommendation: check circuit. | the unit for reliable function after a short | |
| Pack quantity | [piece] | 1 | | |

ifm electronic gmbh • Friedrichstraße 1 • 45128 Essen — We reserve the right to make technical alterations without prior notice. — GB — KI3513 — 06.12.2007