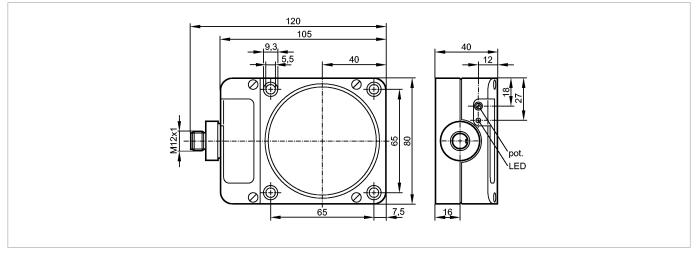
efector150°

KD5044

KDE3060-BPKG/NI/US-100-DPS





((

| Product characteristics Capacitive sensor | | |
|---|--|---|
| Rectangular, plastics | | |
| Quick disconnect | | |
| Sensing range 60 mm; [nf | fl non-flush m | nountable |
| Electrical data | I I I I I I I I I I I I I I I I I I I | iodi ilabio |
| Electrical design | | DC PNP |
| Operating voltage | [V] | 1036 DC |
| Current consumption | [mA] | 5 (24 V) |
| Protection class | | |
| Reverse polarity protectio | n | yes |
| Outputs | | · |
| Output function | | normally open |
| Voltage drop | [V] | < 2.5 |
| Current rating | [mA] | 250 |
| Short-circuit protection | | yes (non-latching) |
| Overload protection | | yes |
| Switching frequency | [Hz] | 10 |
| Monitoring range | | |
| Sensing range | [mm] | 60 |
| | [] | |
| Real sensing range (Sr) | [mm] | 60 ± 10 % |
| Real sensing range (Sr) Operating distance | | 60 ± 10 % 048.6 |
| | [mm] | |
| Operating distance | [mm] | |
| Operating distance Accuracy / deviations | [mm] | 048.6 |
| Operating distance Accuracy / deviations Correction factors | [mm] [mm] | 048.6 water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2 |
| Operating distance Accuracy / deviations Correction factors Hysteresis | [mm] [mm] | 048.6 water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2 115 |
| Operating distance Accuracy / deviations Correction factors Hysteresis Switch-point drift | [mm] [mm] | 048.6 water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2 115 |
| Operating distance Accuracy / deviations Correction factors Hysteresis Switch-point drift Environment | [mm] [mm] [% of Sr] [% of Sr] | 048.6 water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2 115 -1515 |
| Operating distance Accuracy / deviations Correction factors Hysteresis Switch-point drift Environment Ambient temperature | [mm] [mm] [% of Sr] [% of Sr] | 048.6 water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2 115 -1515 |
| Operating distance Accuracy / deviations Correction factors Hysteresis Switch-point drift Environment Ambient temperature Protection | [mm] [mm] [% of Sr] [% of Sr] | 048.6 water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2 115 -1515 |

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KD5044

KDE3060-BPKG/NI/US-100-DPS

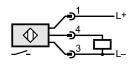


| Mechanical data | | |
|---------------------------|------|---------------------|
| Mounting | | non-flush mountable |
| Housing materials | | modified PPO |
| Weight | [kg] | 0.31 |
| Displays / operating elem | ents | |
| Output status indication | LED | yellow |

Electrical connection

Connection M12 connector





| Accessories | | |
|-----------------------|---------|-------------|
| Accessories (included | l) | screwdriver |
| Remarks | | |
| Pack quantity | [piece] | 1 |

ifm efector, inc. • 1100 Atwater Drive • Malvern • PA 19355 — We reserve the right to make technical alterations without prior notice. — US — KD5044 — 06.03.2003