Inductive sensor
With increased switching distance
NI40U-CP40-FDZ30X2

- Rectangular, height 40 mm
- Variable orientation of active face in 9 directions
- Plastic, PBT-GF30-V0
- High luminance corner LEDs
- Optimum view on supply voltage and switching state from any position
- Factor 1 for all metals
- Increased switching distance
- Protection class IP68
- Large coverage
- Resistant to magnetic fields
- Extended temperature range
- High switching frequency
- AC 2-wire, 20...250 VDC
- DC 2-wire, 10...300 VDC
- NC/NO programmable
- Terminal chamber

Wiring Diagram

Functional principle
Inductive sensors detect metal objects contactless and wear-free. uprox® Factor 1 sensors have significant advantages due to their patented ferrite-coreless multicoil system. They detect all metals at the same large switching distance and are resistant to magnetic fields.
Inductive sensor
With increased switching distance
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<table>
<thead>
<tr>
<th>Distance</th>
<th>Value (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>240</td>
</tr>
<tr>
<td>W</td>
<td>120</td>
</tr>
<tr>
<td>T</td>
<td>140</td>
</tr>
<tr>
<td>S</td>
<td>60</td>
</tr>
<tr>
<td>G</td>
<td>240</td>
</tr>
<tr>
<td>N</td>
<td>30</td>
</tr>
</tbody>
</table>

| Width active area B | 40 mm |

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Distance D: 240 mm
Distance W: 120 mm
Distance T: 140 mm
Distance S: 60 mm
Distance G: 240 mm
Distance N: 30 mm

Width active area B: 40 mm
## Accessories

<table>
<thead>
<tr>
<th>Type code</th>
<th>Ident no.</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>STRM M20X1,5 BLACK</td>
<td>6965902</td>
<td>Cable glands M20 x 1.5</td>
</tr>
<tr>
<td>Adjusting bar JS 025/037</td>
<td>69429</td>
<td>Adjusting bar for rectangular housings CK/CP40; material: VA 1.4301</td>
</tr>
<tr>
<td>BSS-CP40</td>
<td>6901318</td>
<td>Mounting bracket for rectangular devices; material: Polypropylene</td>
</tr>
</tbody>
</table>