



At a glance

- Enclosure rating IP69K
- Ecolab certified
- Knurled nuts made of stainless steel (V4A)
- FDA conformity<sup>1)</sup>
- Resistance to lactic acid<sup>1)</sup>
- Hygienic design<sup>1)</sup>
- Torsionable  $\pm 180^\circ/m$ <sup>1)</sup>
- Weatherproof (resistant to ozone and UV)<sup>1)</sup>
- Dual-action profile seal<sup>2)</sup>
- Halogen free<sup>1)</sup>

<sup>1)</sup> PP (Polypropylene) variants.

<sup>2)</sup> PVC (Polyvinyl chloride) variants.

Your benefits

- Durability and resistance to corrosion with the high quality cable material (PVC/PP) used
- High resistance to Ecolab-certified cleaning agents
- Resistance to the effects of high pressure cleaning and steam cleaning with protection classes IP67 and IP69K
- PVC cables have a special sealing concept with dual-action profile seal
- PP cables have a hygienic design which prevents trapping of dirt and is easy to clean
- Using a suitable mounting tool ensures a watertight connection between the sensor and cable
- Variants with 3 status display LEDs (Power, N/C, N/O)

= suitable for drag chains = LED = shielded

→ [www.sick.de/plug\\_connectors\\_and\\_cables](http://www.sick.de/plug_connectors_and_cables)

For more information, simply enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples, and much more.





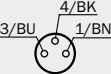


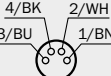


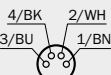


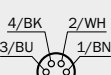
Ordering information

Other device versions available here → [www.sick.de/plug\\_connectors\\_and\\_cables](http://www.sick.de/plug_connectors_and_cables)

Connecting cables with M8 female connector, PP

| Cable material | Temperature resistance   | Certifications | Tightening torque | Type                               |
|----------------|--|----------------|-------------------|------------------------------------|
| PP             | -40 °C ... +105 °C, for fixed installation<br>-25 °C ... +105 °C, for flexible use | Ecolab, FDA    | 0.6 Nm            | <b>Female connector, M8, 3-pin</b> |
|                |  |                |                   | <b>Female connector, M8, 4-pin</b> |

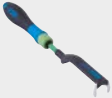
| Type                               | Figure | Enclosure rating | Current carrying capacity | Rated voltage | Head A connection type                            | Head B connection type | Length of cable | Type            | Part no. |
|------------------------------------|--------|------------------|---------------------------|---------------|---|------------------------|-----------------|-----------------|----------|
| <b>Female connector, M8, 3-pin</b> |        | IP67/<br>IP69K   | 4 A                       | ≤ 60 V        | Female connector, M8, 3-pin, straight<br>         | Open cable end         | 2 m             | DOL-0803-G02MRN | 6058504  |
|                                    |        |                  |                           |               |   |                        | 10 m            | DOL-0803-G10MRN | 6058506  |
|                                    |        | IP67/<br>IP69K   | 4 A                       | ≤ 60 V        | Female connector, M8, 3-pin, angled, with LED<br> | Open cable end         | 2 m             | DOL-0803-W02MRN | 6058507  |
|                                    |        |                  |                           |               |   |                        | 10 m            | DOL-0803-W10MRN | 6058509  |


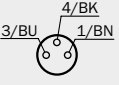

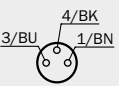
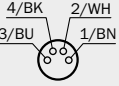

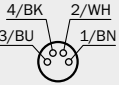
| Type                        | Figure   | Enclosure rating | Current carrying capacity | Rated voltage | Head A connection type   | Head B connection type | Length of cable | Type            | Part no. |
|-----------------------------|--|------------------|---------------------------|---------------|--|------------------------|-----------------|-----------------|----------|
| Female connector, M8, 3-pin | <br>     | IP67/<br>IP69K   | 4 A                       | ≤ 60 V        | Female connector, M8, 3-pin, angled, with LED<br>     | Open cable end         | 2 m             | DOL-0803-L02MRN | 6058787  |
|                             |  |                  |                           |               |  |                        | 5 m             | DOL-0803-L05MRN | 6058788  |
|                             |  |                  |                           |               |  |                        | 10 m            | DOL-0803-L10MRN | 6058789  |
| Female connector, M8, 4-pin | <br>     | IP67/<br>IP69K   | 4 A                       | ≤ 30 V        | Female connector, M8, 4-pin, straight<br>             | Open cable end         | 2 m             | DOL-0804-G02MRN | 6058510  |
|                             |  |                  |                           |               |  |                        | 5 m             | DOL-0804-G05MRN | 6058511  |
|                             |  |                  |                           |               |  |                        | 10 m            | DOL-0804-G10MRN | 6058512  |
|                             |  |                  |                           |               |  |                        | 25 m            | DOL-0804-G25MRN | 6058513  |
|                             | <br>     | IP67/<br>IP69K   | 4 A                       | ≤ 30 V        | Female connector, M8, 4-pin, angled<br>               | Open cable end         | 2 m             | DOL-0804-W02MRN | 6058514  |
|                             |  |                  |                           |               |  |                        | 5 m             | DOL-0804-W05MRN | 6058515  |
|                             |  |                  |                           |               |  |                        | 10 m            | DOL-0804-W10MRN | 6058517  |
|                             |  |                  |                           |               |  |                        | 25 m            | DOL-0804-W25MRN | 6058518  |
|                             | <br> | IP67/<br>IP69K   | 4 A                       | ≤ 30 V        | Female connector, M8, 4-pin, straight, with LED<br> | Open cable end         | 2 m             | DOL-0804-L02MRN | 6058790  |
|                             |  |                  |                           |               |  |                        | 5 m             | DOL-0804-L05MRN | 6058791  |
|                             |  |                  |                           |               |  |                        | 10 m            | DOL-0804-L10MRN | 6058792  |

Connecting cables with M8 female connector, PVC

| Cable material | Temperature resistance  | Certifications  | Tightening torque | Type                               |
|----------------|---|-----------------|-------------------|------------------------------------|
| PVC            | -30 °C ... +80 °C, for fixed installation<br>-5 °C ... +80 °C, for flexible use | Ecolab, CSA, UL | 0.4 Nm            | <b>Female connector, M8, 3-pin</b> |
|                |   |                 |                   | <b>Female connector, M8, 4-pin</b> |



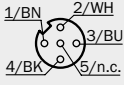


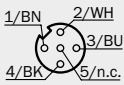



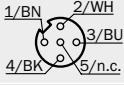


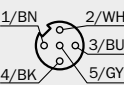
Suitable torque wrench

| Figure  | Description                      | Type             | Part no. |
|---|----------------------------------|------------------|----------|
|  | M08 torque wrench (AF10, 0.4 Nm) | TOOL-TW04M08AF10 | 5337210  |

| Type                               | Figure  | Enclosure rating        | Current carrying capacity | Rated voltage | Head A connection type   | Head B connection type | Length of cable | Type            | Part no. |
|------------------------------------|---|-------------------------|---------------------------|---------------|--|------------------------|-----------------|-----------------|----------|
| <b>Female connector, M8, 3-pin</b> |    | IP65/<br>IP67/<br>IP69K | 4 A                       | ≤ 60 V        | Female connector, M8, 3-pin, straight<br>   | Open cable end         | 2 m             | DOL-0803-G02MNI | 6059177  |
|                                    |   |                         |                           |               |  |                        | 5 m             | DOL-0803-G05MNI | 6059178  |
|                                    |   |                         |                           |               |  |                        | 10 m            | DOL-0803-G10MNI | 6059179  |
|                                    |   |                         |                           |               |  |                        | 25 m            | DOL-0803-G25MNI | 6059191  |
|                                    |  | IP65/<br>IP67/<br>IP69K | 4 A                       | ≤ 60 V        | Female connector, M8, 3-pin, angled<br>   | Open cable end         | 2 m             | DOL-0803-W02MNI | 6059187  |
|                                    |   |                         |                           |               |  |                        | 5 m             | DOL-0803-W05MNI | 6059188  |
|                                    |   |                         |                           |               |  |                        | 10 m            | DOL-0803-W10MNI | 6059190  |
|                                    |   |                         |                           |               |  |                        | 25 m            | DOL-0803-W25MNI | 6059192  |
| <b>Female connector, M8, 4-pin</b> |  | IP65/<br>IP67/<br>IP69K | 4 A                       | ≤ 30 V        | Female connector, M8, 4-pin, straight<br> | Open cable end         | 2 m             | DOL-0804-G02MNI | 6059193  |
|                                    |   |                         |                           |               |  |                        | 5 m             | DOL-0804-G05MNI | 6059194  |
|                                    |   |                         |                           |               |  |                        | 10 m            | DOL-0804-G10MNI | 6059195  |
|                                    |   |                         |                           |               |  |                        | 25 m            | DOL-0804-G25MNI | 6059196  |
|                                    |  | IP65/<br>IP67/<br>IP69K | 4 A                       | ≤ 30 V        | Female connector, M8, 4-pin, angled<br>   | Open cable end         | 2 m             | DOL-0804-W02MNI | 6059197  |
|                                    |   |                         |                           |               |  |                        | 5 m             | DOL-0804-W05MNI | 6059198  |
|                                    |   |                         |                           |               |  |                        | 10 m            | DOL-0804-W10MNI | 6059199  |
|                                    |   |                         |                           |               |  |                        | 25 m            | DOL-0804-W25MNI | 6059200  |

Connecting cables with M12 female connector, PP

| Cable material | Temperature resistance   | Certifications | Tightening torque | Type                                |
|----------------|--|----------------|-------------------|-------------------------------------|
| PP             | -40 °C ... +105 °C, for fixed installation<br>-25 °C ... +105 °C, for flexible use | Ecolab, FDA    | 1 Nm              | <b>Female connector, M12, 4-pin</b> |
|                |  |                |                   | <b>Female connector, M12, 5-pin</b> |

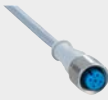
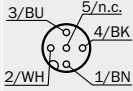

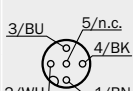

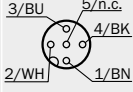

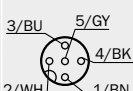
| Type                                | Figure   | Enclosure rating | Current carrying capacity | Rated voltage | Head A connection type  | Head B connection type | Length of cable | Type            | Part no. |
|-------------------------------------|--|------------------|---------------------------|---------------|---|------------------------|-----------------|-----------------|----------|
| <b>Female connector, M12, 4-pin</b> | <br>   | IP67/<br>IP69K   | 4 A                       | ≤ 250 V       | Female connector, M12, 4-pin, straight<br>           | Open cable end         | 2 m             | DOL-1204-G02MRN | 6058291  |
|                                     |  |                  |                           |               |   |                        | 5 m             | DOL-1204-G05MRN | 6058476  |
|                                     |  |                  |                           |               |   |                        | 10 m            | DOL-1204-G10MRN | 6058478  |
|                                     |  |                  |                           |               |   |                        | 15 m            | DOL-1204-G15MRN | 2092884  |
|                                     |  |                  |                           |               |   |                        | 25 m            | DOL-1204-G25MRN | 6058480  |
|                                     | <br>   | IP67/<br>IP69K   | 4 A                       | ≤ 250 V       | Female connector, M12, 4-pin, angled<br>             | Open cable end         | 2 m             | DOL-1204-W02MRN | 6058474  |
|                                     |  |                  |                           |               |   |                        | 5 m             | DOL-1204-W05MRN | 6058477  |
|                                     |  |                  |                           |               |   |                        | 10 m            | DOL-1204-W10MRN | 6058479  |
|                                     |  |                  |                           |               |   |                        | 25 m            | DOL-1204-W25MRN | 6058481  |
|                                     | <br><br> | IP67/<br>IP69K   | 4 A                       | ≤ 24 V        | Female connector, M12, 4-pin, angled, with LED<br> | Open cable end         | 2 m             | DOL-1204-L02MRN | 6058482  |
|                                     |  |                  |                           |               |   |                        | 5 m             | DOL-1204-L05MRN | 6058483  |
|                                     |  |                  |                           |               |   |                        | 10 m            | DOL-1204-L10MRN | 6058484  |
| 25 m                                |  |                  |                           |               |   |                        | DOL-1204-L25MRN | 6058485         |          |
| <b>Female connector, M12, 5-pin</b> | <br>   | IP67/<br>IP69K   | 4 A                       | ≤ 60 V        | Female connector, M12, 5-pin, straight<br>         | Open cable end         | 2 m             | DOL-1205-G02MRN | 6058494  |
|                                     |  |                  |                           |               |   |                        | 5 m             | DOL-1205-G05MRN | 6058495  |
|                                     |  |                  |                           |               |   |                        | 10 m            | DOL-1205-G10MRN | 6058496  |
|                                     |  |                  |                           |               |   |                        | 25 m            | DOL-1205-G25MRN | 6058497  |

Connecting cables with M12 female connector, PVC

| Cable material | Temperature resistance  | Certifications  | Tightening torque | Type                                |
|----------------|---|-----------------|-------------------|-------------------------------------|
| PVC            | -30 °C ... +80 °C, for fixed installation<br>-5 °C ... +80 °C, for flexible use | Ecolab, CSA, UL | 0.6 Nm            | <b>Female connector, M12, 4-pin</b> |
|                |   |                 |                   | <b>Female connector, M12, 5-pin</b> |



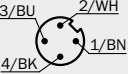

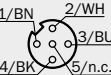
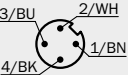
Suitable torque wrench

| Figure  | Description                      | Type             | Part no. |
|---|----------------------------------|------------------|----------|
|  | M12 torque wrench (AF14, 0.6 Nm) | TOOL-TW06M12AF14 | 5329575  |

| Type                                | Figure  | Enclosure rating        | Current carrying capacity | Rated voltage | Head A connection type  | Head B connection type | Length of cable | Type            | Part no. |
|-------------------------------------|---|-------------------------|---------------------------|---------------|---|------------------------|-----------------|-----------------|----------|
| <b>Female connector, M12, 4-pin</b> |    | IP65/<br>IP67/<br>IP69K | 4 A                       | ≤ 250 V       | Female connector, M12, 4-pin, straight<br>           | Open cable end         | 2 m             | DOL-1204-G02MNI | 6052613  |
|                                     |   |                         |                           |               |   |                        | 5 m             | DOL-1204-G05MNI | 6052615  |
|                                     |   |                         |                           |               |   |                        | 10 m            | DOL-1204-G10MNI | 6052617  |
|                                     |   |                         |                           |               |   |                        | 25 m            | DOL-1204-G25MNI | 6052619  |
|                                     |   | IP65/<br>IP67/<br>IP69K | 4 A                       | ≤ 250 V       | Female connector, M12, 4-pin, angled<br>           | Open cable end         | 2 m             | DOL-1204-W02MNI | 6052614  |
|                                     |   |                         |                           |               |   |                        | 5 m             | DOL-1204-W05MNI | 6052616  |
|                                     |   |                         |                           |               |   |                        | 10 m            | DOL-1204-W10MNI | 6052618  |
|                                     |   |                         |                           |               |   |                        | 25 m            | DOL-1204-W25MNI | 6052620  |
| <b>Female connector, M12, 4-pin</b> |  | IP65/<br>IP67/<br>IP69K | 4 A                       | ≤ 250 V       | Female connector, M12, 4-pin, angled, with LED<br> | Open cable end         | 2 m             | DOL-1204-L02MNI | 6052621  |
|                                     |   |                         |                           |               |   |                        | 5 m             | DOL-1204-L05MNI | 6052622  |
|                                     |   |                         |                           |               |   |                        | 10 m            | DOL-1204-L10MNI | 6052623  |
|                                     |   |                         |                           |               |   |                        | 25 m            | DOL-1204-L25MNI | 6052624  |
| <b>Female connector, M12, 5-pin</b> |  | IP65/<br>IP67/<br>IP69K | 4 A                       | ≤ 250 V       | Female connector, M12, 5-pin, straight<br>         | Open cable end         | 2 m             | DOL-1205-G02MNI | 6052625  |
|                                     |   |                         |                           |               |   |                        | 5 m             | DOL-1205-G05MNI | 6052626  |
|                                     |   |                         |                           |               |   |                        | 10 m            | DOL-1205-G10MNI | 6052627  |
|                                     |   |                         |                           |               |   |                        | 25 m            | DOL-1205-G25MNI | 6052628  |

Connection cables with M12 female and male connector, PP

| Cable material | Temperature resistance   | Certifications | Tightening torque | Type                                |
|----------------|--|----------------|-------------------|-------------------------------------|
| PP             | -40 °C ... +105 °C, for fixed installation<br>-25 °C ... +105 °C, for flexible use | Ecolab, FDA    | 1 Nm              | <b>Female connector, M12, 4-pin</b> |



| Type                                | Figure  | Enclosure rating | Current carrying capacity | Rated voltage | Head A connection type  | Head B connection type  | Length of cable | Type            | Part no. |
|-------------------------------------|---|------------------|---------------------------|---------------|---|---|-----------------|-----------------|----------|
| <b>Female connector, M12, 4-pin</b> |  | IP67/<br>IP69K   | 4 A                       | ≤ 250 V       | Female connector, M12, 4-pin, angled<br>   | Male connector, M12, 4-pin, straight<br> | 0.6 m           | DSL-1204-B0M6RN | 6058501  |
|                                     |   |                  |                           |               |   |   | 2 m             | DSL-1204-B02MRN | 6058502  |
|                                     |   |                  |                           |               |   |   | 5 m             | DSL-1204-B05MRN | 6058503  |
|                                     |  | IP67/<br>IP69K   | 4 A                       | ≤ 250 V       | Female connector, M12, 4-pin, straight<br> | Male connector, M12, 4-pin, straight<br> | 0.6 m           | DSL-1204-G0M6RN | 6058498  |
|                                     |   |                  |                           |               |   |   | 2 m             | DSL-1204-G02MRN | 6058499  |
|                                     |   |                  |                           |               |   |   | 5 m             | DSL-1204-G05MRN | 6058500  |

Connection cables with M12 female and male connector, PVC

| Cable material | Temperature resistance  | Certifications  | Tightening torque | Type head A  | Type head B  |
|----------------|---|-----------------|-------------------|--|--|
| PVC            | -30 °C ... +80 °C, for fixed installation<br>-5 °C ... +80 °C, for flexible use | Ecolab, CSA, UL | 0.6 Nm            | <b>Female connector, M12, 4-pin, straight</b><br><b>Female connector, M12, 4-pin, angled</b> | <b>Male connector, M12, 4-pin, straight</b><br><b>Male connector, M12, 4-pin, straight</b> |

Suitable torque wrench

| Figure  | Description                      | Type             | Part no. |
|---|----------------------------------|------------------|----------|
|  | M12 torque wrench (AF14, 0.6 Nm) | TOOL-TW06M12AF14 | 5329575  |

| Type                                | Figure  | Enclosure rating        | Current carrying capacity | Rated voltage | Head A connection type                 | Head B connection type               | Length of cable | Type            | Part no. |
|-------------------------------------|---|-------------------------|---------------------------|---------------|--|--------------------------------------|-----------------|-----------------|----------|
| <b>Female connector, M12, 4-pin</b> |  | IP65/<br>IP67/<br>IP69K | 4 A                       | ≤ 250 V       | Female connector, M12, 4-pin, straight | Male connector, M12, 4-pin, straight | 0.6 m           | DSL-1204-G0M6NI | 6052629  |
|                                     |   |                         |                           |               |  |                                      | 2 m             | DSL-1204-G02MNI | 6052630  |
|                                     |   |                         |                           |               |  |                                      | 5 m             | DSL-1204-G05MNI | 6052631  |
|                                     |  | IP65/<br>IP67/<br>IP69K | 4 A                       | ≤ 250 V       | Female connector, M12, 4-pin, angled   | Male connector, M12, 4-pin, straight | 0.6 m           | DSL-1204-B0M6NI | 6052632  |
|                                     |   |                         |                           |               |  |                                      | 2 m             | DSL-1204-B02MNI | 6052633  |
|                                     |   |                         |                           |               |  |                                      | 5 m             | DSL-1204-B05MNI | 6052634  |

