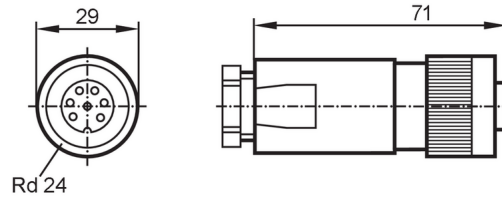


# E1001A



## Female wirable connectors

SDOGL070PLNFKPG/1D/1G



| Application                                                                                        |                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Special feature                                                                                    | gold-plated contacts                                                                                                                                                                                                                                                                                                                                    |
| Application                                                                                        | connection to certified intrinsically safe circuits                                                                                                                                                                                                                                                                                                     |
| Operating conditions                                                                               |                                                                                                                                                                                                                                                                                                                                                         |
| Ambient temperature [°C]                                                                           | -20...80                                                                                                                                                                                                                                                                                                                                                |
| Protection                                                                                         | IP 67                                                                                                                                                                                                                                                                                                                                                   |
| Tests / approvals                                                                                  |                                                                                                                                                                                                                                                                                                                                                         |
| Approval                                                                                           | BVS 05 ATEX E106                                                                                                                                                                                                                                                                                                                                        |
| ATEX marking                                                                                       | Ex II 1G Ex ia IIC T6 Ga                                                                                                                                                                                                                                                                                                                                |
|                                                                                                    | Ex II 1D Ex ia IIIB T85°C Da                                                                                                                                                                                                                                                                                                                            |
|                                                                                                    | Ex II 1D Ex ia IIIC T85°C Da                                                                                                                                                                                                                                                                                                                            |
| Mechanical data                                                                                    |                                                                                                                                                                                                                                                                                                                                                         |
| Weight [g]                                                                                         | 59.1                                                                                                                                                                                                                                                                                                                                                    |
| Dimensions [mm]                                                                                    | 29 x 29 x 71                                                                                                                                                                                                                                                                                                                                            |
| Material                                                                                           | housing: PBT                                                                                                                                                                                                                                                                                                                                            |
| Molded-body material                                                                               | PBT                                                                                                                                                                                                                                                                                                                                                     |
| Material nut                                                                                       | PA                                                                                                                                                                                                                                                                                                                                                      |
| Remarks                                                                                            |                                                                                                                                                                                                                                                                                                                                                         |
| Remarks                                                                                            | Ta according to table "Total power of the current circuits" in the corresponding operating instructions (safety-related part ATEX)<br>Several intrinsically safe circuits may be connected to the sockets.<br>The sum of the voltages of one or more intrinsically safe circuits must not exceed the following value:<br>Utotal max = 60 V (peak value) |
| Pack quantity                                                                                      | 1 pcs.                                                                                                                                                                                                                                                                                                                                                  |
| Electrical connection                                                                              |                                                                                                                                                                                                                                                                                                                                                         |
| terminals: ...2.5 mm <sup>2</sup> ; Cable sheath: Ø 10...12 mm                                     |                                                                                                                                                                                                                                                                                                                                                         |
| Electrical connection - Socket                                                                     |                                                                                                                                                                                                                                                                                                                                                         |
| Connector: 1 x Rd24, straight; coding: A; Contacts: 7, gold-plated; Moulded body: PBT; Locking: PA |                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                    |                                                                                                                                                                                                                                                                                                                                                         |

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### Connection

