

receptacle\_with\_break\_away\_locking\_for\_rear\_panel\_mounting

size\_1\_ip6k8\_ip6k9k\_coding\_c\_blue\_27\_contacts\_sockets\_pcb\_data\_transmission\_hdmi®\_1.3\_8.13\_gbits



Basic information

|                    |                     |
|--------------------|---------------------|
| Part number        | GK1WCM-P27UB00-000L |
| Category           | connector           |
| Type of connector  | receptacle          |
| Assembly situation | rear_panel_mounting |
| Size               | 6b86b2              |

Contact insert description

|                      |                         |
|----------------------|-------------------------|
| Special features     | data_transmission       |
| Transmission type    | HDMI® 1.4 {10.2 Gbit/s} |
| Number of contacts   | 27                      |
| Contact type         | sockets                 |
| Contact diameter     | 886be3                  |
| Termination type     | pcb                     |
| Termination diameter | 886be3                  |

Technical information

|                             |            |                                            |
|-----------------------------|------------|--------------------------------------------|
| Max. current single contact | 621c7f     | IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003) |
| Max. current insert         | 0.4 A      | VDE 0298-4:2013                            |
| Test voltage                | 0.75 kV DC | EIA-364-20F:2019-02                        |

Mechanical and environmental data

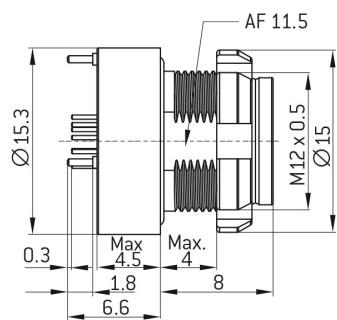
|                            |               |
|----------------------------|---------------|
| Locking principle          | break_away    |
| Keying                     | c             |
| Mating cycles              | 9e1839        |
| IP class                   | IP68 / IP6K9K |
| Max. operating temperature | 125 °C        |
| Min. operating temperature | -51 °C        |
| Tightening torque          | 1 Nm          |
| Weight                     | 7.9 g         |

ip\_protection\_class\_refers\_to\_mated\_condition

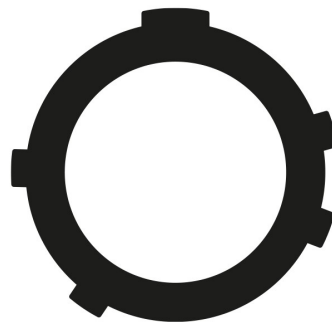
**Material and surface treatments**

|                  |                                |
|------------------|--------------------------------|
| Material         | cu_alloy_with_ruthenium_finish |
| Contact material | gold                           |

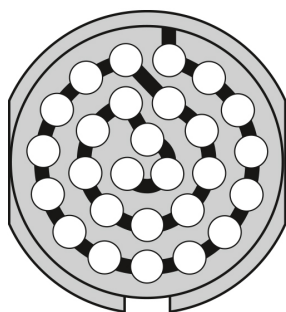
DIMENSIONS:



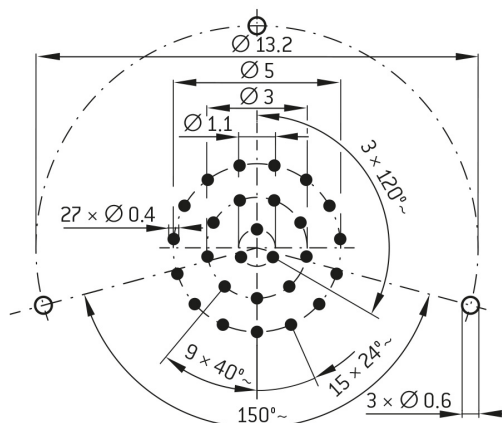
CODING:C



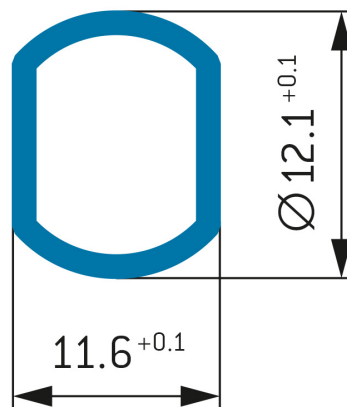
POSITIONS: 27 positions



PCB-LAYOUT:



PANEL CUT OUT:



**Further technical information and downloads**

|                    |                                          |
|--------------------|------------------------------------------|
| Connection diagram | connection_diagram_27_pin_hdmi_1_4_typ_a |
|--------------------|------------------------------------------|

[3D-File \(STP File\)](#)

|                                          |
|------------------------------------------|
| <a href="#">Technical specifications</a> |
|------------------------------------------|