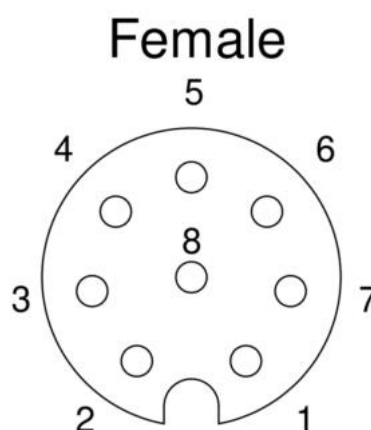
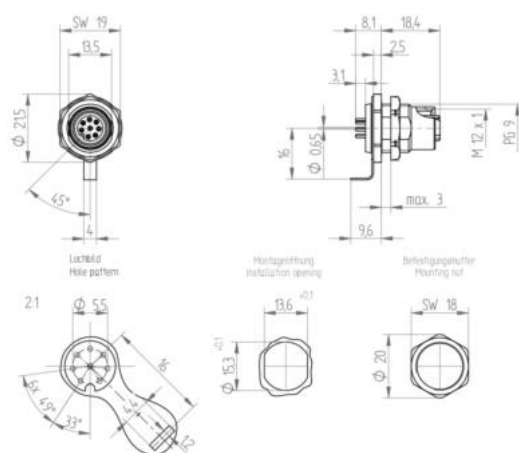


IMAGE  
COMING  
SOON**Product:** [RKHLS 8/S 5.5](#) 

M12 Standard Sensor/Actuator Receptacle Connector: Female, rear mount with shielding clip, M12 - mating side, print contacts - connecting side, 8-pin, A-coded, shielded, metallic grey housing, 30 V AC/DC, 2 A

**Product Description**

M12 Standard Sensor/Actuator Receptacle Connector: Female, rear mount with shielding clip, M12 - mating side, print contacts - connecting side, 8-pin, A-coded, shielded, metallic grey housing, 30 V AC/DC, 2 A

**Technical Drawing****Technical Specifications****Technical Data**

|                           |                                |
|---------------------------|--------------------------------|
| Product Family:           | Sensor / Actuator Connectors   |
| Product Sub Family:       | M12 Standard                   |
| Mating Side:              | M12                            |
| Connecting Side:          | Print Contacts                 |
| Brand:                    | Lumberg Automation             |
| Connector Type:           | Receptacle                     |
| Type of Contact / Gender: | Female                         |
| Connector Design:         | Rear Mount with Shielding Clip |
| Number of Pins:           | 8                              |
| Coding:                   | A                              |
| Shielding:                | Shielded                       |
| Attachment Type:          | Screw-Locking                  |
| Rated Voltage:            | 30 V                           |
| Rated Impulse Voltage:    | 0.8 kV                         |
| Operating Voltage:        | 30 V AC/DC                     |
| Rated Current*:           | 2 A                            |
| Contact Resistance:       | $\leq 10 \text{ m}\Omega$      |
| Insulation Resistance:    | $> 10^9 \text{ }\Omega$        |
| Mating Cycles:            | $\leq 100$                     |

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Type of Connection:               | PCB                                     |
| Thread Size:                      | PG9                                     |
| Thread Material:                  | CuZn                                    |
| Thread Plating:                   | Nickel-plated                           |
| Ambient Temperature (Operation)*: | - 25 °C - + 85 °C                       |
| Protection Degree / IP Rating**:  | IP65, IP67                              |
| Design Standard:                  | In style of IEC 61076-2-101             |
| Pollution Degree:                 | 3 acc. to DIN EN 60664-1 (VDE 0110-1)   |
| Clearance / Creepage Distance:    | DIN EN 60664-1 (2008/01); VDE 0110-1    |
| Overvoltage Category:             | III acc. to DIN EN 60664-1 (VDE 0110-1) |

Materials

|                                      |                                 |
|--------------------------------------|---------------------------------|
| Contact Base Material:               | CuZn                            |
| Contact Plating:                     | Cu/Au                           |
| Contact Bearer Material:             | TPU                             |
| Contact Bearer Color:                | Black                           |
| Flammability Class (Contact Bearer): | UL 94 HB                        |
| Potted:                              | Yes                             |
| Housing Material:                    | CuZn                            |
| Housing Plating:                     | Nickel-plated                   |
| Housing Color:                       | Silver                          |
| Attachment Material:                 | CuZn                            |
| Attachment Plating:                  | Nickel-plated                   |
| Shielding Material:                  | Shielding Clip: CuZn, Ag-plated |
| O-Ring Material:                     | FKM                             |

Additional Technical Data

|                                |                                 |
|--------------------------------|---------------------------------|
| Fastening Torque (Attachment): | M 12x1: (50-60) Ncm, hand-tight |
|--------------------------------|---------------------------------|

Safety & Environmental Compliance

|                 |     |
|-----------------|-----|
| RoHS Compliant: | yes |
|-----------------|-----|

Notes

|                                     |                                                                                                                                                                                                               |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note Derating:                      | * Notice derating                                                                                                                                                                                             |
| Protection Degree / IP Rating Note: | * only if mounted and locked in combination with Hirschmann / Lumberg connector. On the installation side tightness has to be assured by taking proper measures.                                              |
| Note:                               | The receptacle connector is constructively intended for usage in IP67-products. To realise this protection class, the estimated location has to be designed accordingly. Further details see IEC 61076-2-101. |

Variants

| Item # | Item Description |
|--------|------------------|
| 104093 | RKHLS 8/S 5,5    |

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