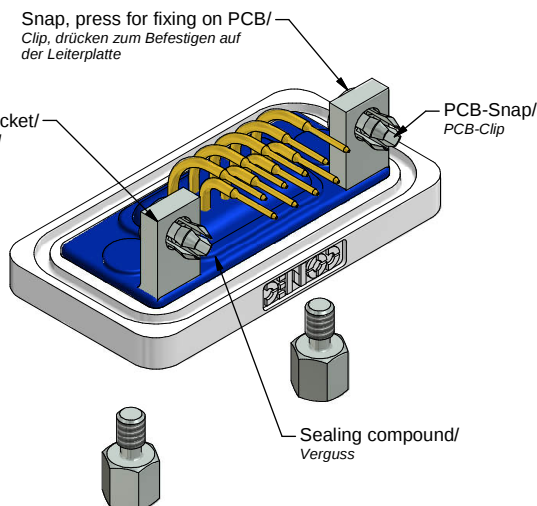
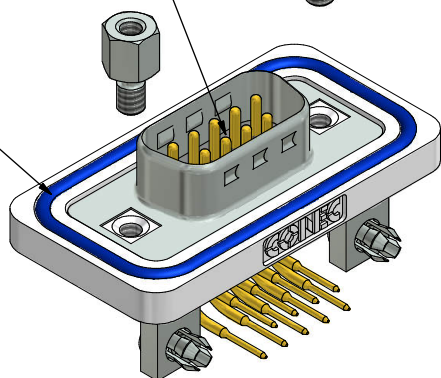


At all times water resistant connectors not in use should be covered with a Conec water resistant cap or water tight hood.  
Im nicht gesteckten Zustand müssen die wasserdichten Steckverbinder mit einer wasserdichten Conec Kappe oder Haube geschützt werden.



Rubber gasket placed on top surface of male insulator/  
Gummidichtung ist auf Oberfläche des Stift-Isolierkörpers montiert



## Technical specification:

### Technische Daten:

|                                                          |                                                                                                                     |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Dielectric withstanding voltage/<br>Spannungsfestigkeit: | 1000 V, 50 Hz 1 min.                                                                                                |
| Current rating/<br>Strombelastbarkeit:                   | Signal contacts/ 7,5 A (UL)<br>Signalkontakte: 5,0 A (CSA, VDE)                                                     |
| Insulation resistance/<br>Isolationswiderstand:          | ≥ 5 GΩ                                                                                                              |
| Degree of protection/<br>Schutzart:<br>IEC 60529         | IP67, in mated condition/<br>IP67, im gesteckten Zustand                                                            |
| Temperature range/<br>Temperaturbereich:                 | -25 °C ... +105 °C                                                                                                  |
| Mating cycles/<br>Steckzyklen:                           | Quality class 1 = 500<br>Gütestufe 1<br>Quality class 2 = 200<br>Gütestufe 2<br>Quality class 3 = 50<br>Gütestufe 3 |

## Materials/

### Werkstoffe:

|                                       |                                 |
|---------------------------------------|---------------------------------|
| Contact/<br>Kontakt:                  | Cu alloy, Au over Ni            |
| Insulator/<br>Isolierkörper:          | PBT GF UL 94 V-0, black/schwarz |
| Shell/<br>Gehäuse:                    | Cu alloy, Sn over Ni            |
| Metal bracket/<br>Metallwinkel:       | GD-Zn, Sn over Ni               |
| Frame/<br>Rahmen:                     | GD-Zn, Ni                       |
| Threaded Insert/<br>Gewindeeinsatz:   | Cu alloy, Sn over Ni            |
| O-Ring/<br>O-Ring:                    | Silicone, Blue/blau             |
| PCB-Snap/<br>PCB-Clip:                | Cu alloy, Sn over Ni            |
| Sealing Compound/<br>Verguss:         | Blue/blau                       |
| Hexlocking screw/<br>Sechskantbolzen: | Stainless Steel/<br>Edelstahl   |
| Rubber Gasket/<br>Gummidichtung:      | TPE, black/schwarz              |

## Installation specification/

### Montagedaten:

|                                                                            |                           |
|----------------------------------------------------------------------------|---------------------------|
| Solder parameter for wavesoldering/<br>Lötparameter im Wellenlötverfahren: |                           |
| Solder preheat                                                             | 120 °C for 120 sec. max./ |
| Temperature/<br>Vorheiztemperatur:                                         | 120 °C für 120 sek. max.: |
| Solder bath                                                                | 240 °C for 5 sec. max./   |
| Temperature/<br>Lötbadtemperatur:                                          | 240 °C für 5 sek. max.    |

|                                                          |                             |
|----------------------------------------------------------|-----------------------------|
| Recommended torque                                       | 3.1 in.LB / max. 3.5 in.LB/ |
| Value for thread/<br>empfohlenes Drehmoment für Gewinde: | 35 Ncm / max. 40 Ncm        |

|                                    |                               |
|------------------------------------|-------------------------------|
| PCB-Hole Drillings/<br>recommended | see Sheet 2/<br>siehe Seite 2 |
|------------------------------------|-------------------------------|

|                                                                            |  |
|----------------------------------------------------------------------------|--|
| Panel cut-out/<br>Leiterplattenbohrbild/<br>empfohlener Montageausschnitt: |  |
|----------------------------------------------------------------------------|--|

|                                     |                             |
|-------------------------------------|-----------------------------|
| Panel thickness/<br>Rückwand Dicke: | 1,0 mm min. ... 1,6 mm max. |
|-------------------------------------|-----------------------------|

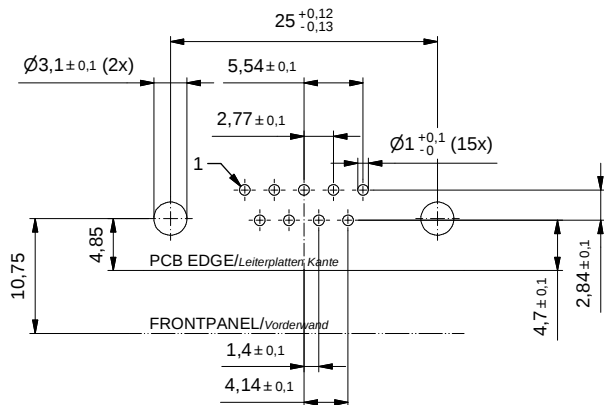
|                                        |        |
|----------------------------------------|--------|
| PCB thickness/<br>Leiterplatten Dicke: | 1,6 mm |
|----------------------------------------|--------|

| Part no. / Part Marked/<br>Art.-Nr. / Bedruckung: | Quality class/<br>Gütestufe: | Contact plating/<br>Kontakt Veredelung:                                         |
|---------------------------------------------------|------------------------------|---------------------------------------------------------------------------------|
| 6STD09PAU99R40X                                   | 3                            | Gold Flash over Nickel<br>Gold über Nickel                                      |
| 6STD09PBU99R40X                                   | 2                            | 20 µin hard Gold over min. 50 µin Nickel<br>20 µin Gold über min. 50 µin Nickel |
| 6STD09PCU99R40X                                   | 1                            | 30 µin hard Gold over min. 50 µin Nickel<br>30 µin Gold über min. 50 µin Nickel |

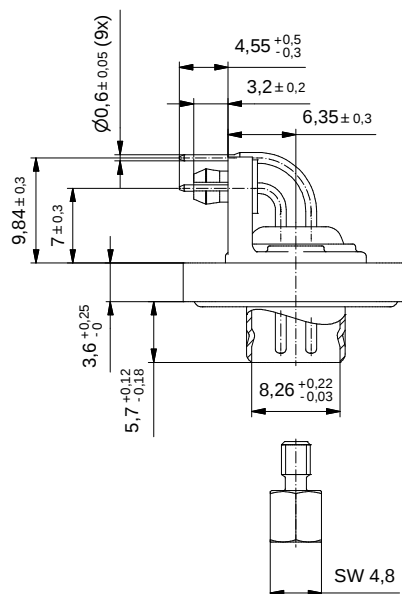
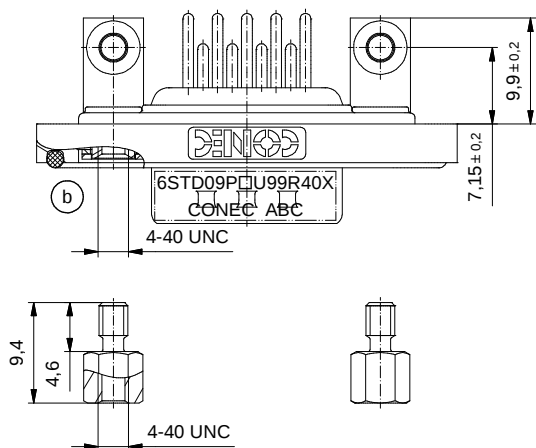
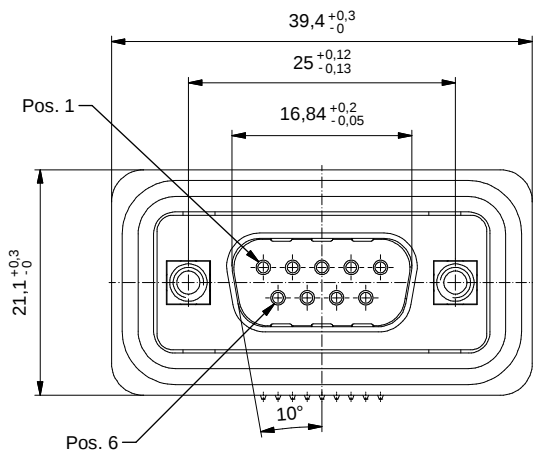
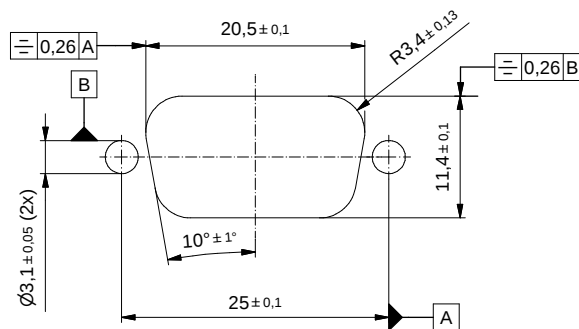
|                                 |                |                                                                                                                                                                                                                         |        |
|---------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| dim. in mm                      |                | D-SUB Male 9pos. Solder pin angled 90°<br>with metal bracket, threaded insert, snap and hexlocking screw<br>D-SUB Stifteleiste 9pol. Lötstift gewinkelt 90°<br>mit Metallwinkel, Innengewinde, Clip und Sechskantbolzen |        |
| drawn/<br>gezeichnet            | Date/Datum     | Name                                                                                                                                                                                                                    |        |
| appd./<br>gepr.                 | 28.10.2016     | Unkrüer                                                                                                                                                                                                                 |        |
|                                 | 03.11.2016     | Lehmenkühler                                                                                                                                                                                                            |        |
| Index: b Ä6395 28.10.16 L.U.    | Scale/Maßstab: | dwg no /<br>Z.-nr.:                                                                                                                                                                                                     | DIN-A3 |
| Status: InBearbeitung           | 2:1            | 15K1A1934                                                                                                                                                                                                               | 1 / 2  |
| RoHS & REACH compliant/ konform |                |                                                                                                                                                                                                                         |        |

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PCB Hole drillings ( PCB Top side )/  
Leiterplattenbohrbild (Leiterplatten Oberseite)



Recommended panel cut-out/  
empfohlener Montageausschnitt:



|                                |                       |                |            |                                                                                                          |                                                                                                             |
|--------------------------------|-----------------------|----------------|------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
|                                |                       | dim. in mm     |            | D-SUB Male 9pos. Solder pin angled 90°<br>with metal bracket, threaded insert, snap and hexlocking screw |                                                                                                             |
|                                |                       | drawn/gez.     | Date/Datum | Name                                                                                                     | D-SUB Stifteleiste 9pol. Lötstift gewinkelt 90°<br>mit Metallwinkel, Innengewinde, Clip und Sechskantbolzen |
|                                |                       | appd./gepr.    | 28.10.2016 | Unkrüer                                                                                                  |                                                                                                             |
|                                |                       |                | 03.11.2016 | Lehrmenkühler                                                                                            |                                                                                                             |
| Index:                         | b Ä6395 28.10.16 L.U. | Scale/Maßstab: | 2:1        |                                                                                                          | dwg no / Z.-nr.: 15K1A1934                                                                                  |
| Status:                        | InBearbeitung         |                |            | DIN-A3                                                                                                   |                                                                                                             |
| RoHS & REACH compliant/konform |                       |                |            | 2 / 2                                                                                                    |                                                                                                             |



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