

## straight\_push\_pull\_plug\_for\_bend\_relief

size: 1, IP50, keying: a, number\_of\_contacts: 8, solder\_cup, contact\_type: pins, Ethernet/IP® (1 Gbit/s)



### Basic information

|                    |                     |
|--------------------|---------------------|
| Part number        | S21LAC-PD8MCD0-620S |
| Category           | connector           |
| Type of connector  | plug                |
| Assembly situation | straight            |
| Size               | 1                   |

### Contact insert description

|                        |                         |
|------------------------|-------------------------|
| Special features       | data_transmission       |
| Transmission type      | Ethernet/IP® (1 Gbit/s) |
| Number of contacts     | 8                       |
| Contact type           | pins                    |
| Contact diameter       | 0.5 mm                  |
| Termination type       | solder_cup              |
| Termination diameter   | 0.65 mm                 |
| Wire cross section AWG | AWG 26                  |

### Technical information

|  |                             |  |
|--|-----------------------------|--|
| Max. current single contact                  | 6 A                         | IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003) |
| Max. current insert                          | 3.9                         | VDE 0298-4:2003                            |
| Test voltage                                 | 1 kV AC                     | SAE AS 13441:1998 method 3001.1            |
| Max. creepage distance (contact to contact)  | 0.5 mm (Contact to housing) |  |
| Max. creepage distance (contact to housing)  | 1.0 mm (Contact to housing) |  |
| Max. clearance distance (contact to contact) | 0.5 mm (Contact to contact) |  |
| Max. clearance distance (contact to housing) | 1.0 mm (Contact to housing) |  |

## Cable description

|                     |                   |
|---------------------|-------------------|
| Cable outlet        | cable_bend_relief |
| Min. cable diameter | 5                 |
| Max. cable diameter | 6.2               |

## Mechanical and environmental data

|                            |           |
|----------------------------|-----------|
| Locking principle          | push_pull |
| Keying                     | a         |
| Mating cycles              | 5000      |
| IP class                   | IP50      |
| Max. operating temperature | 120 °C    |
| Min. operating temperature | -40 °C    |

## Material and surface treatments

|                    |                                  |
|--------------------|----------------------------------|
| Material           | cu_alloy_with_matt_chrome_finish |
| Insulator material | peek                             |
| Contact material   | cu_alloy_with_gold_finish        |

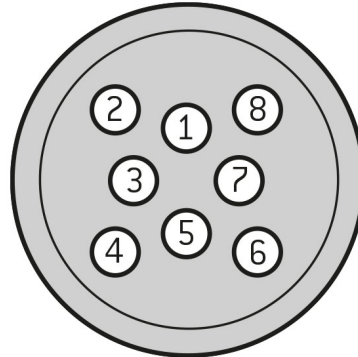
## DIMENSIONS



## CODING: 30°



## POSITIONS: 8 positions



### Further technical information and downloads

[Connection diagram](#)

[connection\\_diagram\\_8\\_pin\\_ethernet\\_1gbs\\_10gbs\\_rj45](#)

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

[Assembly Instruction](#)

[Technical specifications](#)