

AS020-41SA ✓ ACTIVE

DEUTSCH | DEUTSCH AS Standard

TE Internal #: AS020-41SA

Standard Circular Connectors, Wire-to-Wire, 41 Position, Sealable, Black Zinc, Aluminum Alloy, A Polarization Code, DEUTSCH AS Standard

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Connectors > Circular Connectors > Standard Circular Connectors



Connector System: **Wire-to-Wire**

Number of Positions: **41**

Sealable: **Yes**

Shell Plating Material: **Black Zinc**

Shell Base Material: **Aluminum Alloy**

Features

Product Type Features

| | |
|-------------------------|----------------------|
| Product Type | Connector |
| Assembly Type | Electrical Connector |
| Connector System | Wire-to-Wire |
| Sealable | Yes |
| Circular Connector Type | Receptacle |
| Shell Type | Metal |

Configuration Features

| | |
|-----------------------------|-----------------------|
| Factory Installed Backshell | No |
| Keying | Keyway Polarization A |
| Number of Positions | 41 |
| Contacts Preloaded | No |

Body Features

| | |
|-------------------------------|----------------|
| Environmental Protection | With |
| Feedthrough Type | No |
| Environmental Protection Type | Sealed |
| Entry Style | Rear Insertion |
| Shell Plating Material | Black Zinc |



| | |
|---|--------------------------|
| Shell Base Material | Aluminum Alloy |
| Circular Connector Insulation Material Type | Hard Dielectric/Silicone |
| Hermetically Sealed | No |

Contact Features

| | |
|---------------------------------|---------|
| Contact Quantity (Size 20) | 41 |
| Contact Layout Arrangement | 20 – 41 |
| Circular Connector Contact Type | Socket |

Mechanical Attachment

| | |
|--------------------------|---------------|
| Mating Retention Type | Bayonet Peg |
| Mating Alignment | With |
| Panel Mount Feature Type | 2 Hole Flange |
| Polarization Code | A |
| Mating Alignment Type | Keyed |
| Mating Retention | With |

Housing Features

| | |
|-------------------------------|----|
| Circular Connector Shell Size | 20 |
|-------------------------------|----|

Dimensions

| | |
|-----------------|---------|
| Assembly Length | 33.5 mm |
| Wire Size | 20 AWG |

Usage Conditions

| | |
|-----------------------------|--------------|
| Fluid Resistance | Immersible |
| IP Dust Sealing Level | 6 |
| IP Water Sealing Level | 7 |
| Operating Temperature Range | -55 – 175 °C |

Operation/Application

| | |
|-------------------|------------|
| Durability Rating | 500 Cycles |
|-------------------|------------|

Other

| | |
|-------------------|-----|
| Field Serviceable | Yes |
|-------------------|-----|

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

| | |
|------------------------------|---------------------------|
| EU RoHS Directive 2011/65/EU | Compliant with Exemptions |
|------------------------------|---------------------------|

EU ELV Directive 2000/53/EC

Compliant with Exemptions

China RoHS 2 Directive MIIT Order No 32, 2016

Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2022 (224)

Candidate List Declared Against: JUN 2020 (209)

SVHC > Threshold:

Pb (1.2% in Contact)

Article Safe Usage Statements:

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

Not Yet Reviewed for halogen content

Solder Process Capability

Reflow solder capable to 245°C

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

TE Part # ZPF0000000000000867
PINCE AFM-8

Also in the Series | DEUTSCH AS Standard



Standard Circular Connectors(567)



Documents

Product Drawings

[RECEPT.2 HOLE MNT TYPE 0](#)

English

Datasheets & Catalog Pages

[AS Micro Xtra Lite HE](#)

English