



## STANDARD CIRCULAR CONNECTORS



✓ Active

TE CONNECTIVITY (TE)

### SQUARE FLANGE RECEPTACLE

DEUTSCH | 38999 Series III

D38999/20JC35PN

TE Internal Number: YACT20JC35PNV00100

Mil-Spec: D38999/20JC35PN

Alias ID: ACT20JC35PN[V001]

[Not EU RoHS or ELV Compliant](#)

[Find Compliant Alternatives](#)

Product Type **Connector**

Mounting Style **Square Flange**

Shell Plating Material **Cadmium, O.D.**

Shell Material **Composite**

Polarization Code **N**

#### Product Environmental Compliance

REACH Substance Communication Document

[RSCD\\_Cadmium](#)

PDF

English

Please review product documents or [contact us](#) for the latest agency approval information.

Product Type Features	Product Type	Connector
	Connector System	Wire-to-Panel
	Shell Size	C (13)
	Sealed	Yes
	Connector Style	Receptacle
	Shell Type	Square Flange Receptacle
	Assembly Type	Electrical Connector

Configuration Features		
	Number of Power Positions	22
	Preloaded	No
	Number of Positions	22
	Factory Installed Backshell	No
	Positions Unloaded	All
	Keying	Keyway Polarization N

	Position Keyed	<b>N</b>
Electrical Characteristics	Operating Voltage (VAC)	<b>400</b>
	Operating Voltage (VDC)	<b>550</b>
	Voltage (Vrms)	<b>1300</b>
Body Features	Shell Plating Material	<b>Cadmium, O.D.</b>
	Shell Material	<b>Composite</b>
	Insulation Material	<b>Hard Dielectric/Silicone</b>
	Hermetically Sealed	<b>No</b>
	Weight	<b>10.7 g [ .0236 lb ]</b>
	Fluid Type	<b>Coolanol 25, M2-V, MIL-DTL-5624 (JP-4,JP-5), MIL-DTL-83133 (JP-8), MIL-PRF-23699, MIL-PRF-5606, MIL-PRF-7808, SEA-AMS1424 Type I</b>
	Environmental Protection Type	<b>Elastomer Sealed</b>
	O-Ring Material	<b>Silicone</b>
	Environmental Protection	<b>Yes</b>
	Feedthrough Type	<b>No</b>
	Peripheral Seal Material	<b>Silicone</b>
Entry Style	<b>Rear Insertion</b>	
Contact Features	Contact Layout	<b>C35</b>
	Contact Type	<b>Pin</b>
	Contact Quantity (Size 22D)	<b>22</b>
Mechanical Attachment	Mounting Style	<b>Square Flange</b>
	Polarization Code	<b>N</b>
	Mating Alignment Type	<b>Keyed</b>
	Mating Retention	<b>With</b>
	Flange	<b>Square Flange</b>
	Mating Retention Type	<b>Triple Start Threaded</b>
	Panel Mount Retention	<b>With</b>
	Panel Mount Retention Type	<b>Square Flange</b>
Housing Features	Alignment Keyed	<b>Clocking</b>
Dimensions	Accepts Wire Insulation Diameter Range	<b>.76 – 1.37 mm [ .03 – .054 in ]</b>
	Assembly Length	<b>31.5 mm [ 1.24 in ]</b>

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Usage Conditions

Operating Temperature Range

**-65 – 175 °C [-85 – 347 °F]**

Fluid Resistance

**Yes**

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Operation/Application

Durability Rating (Cycles)

**500**

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Packaging Features

Packaging Quantity

**1**

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Product Compliance

[Statement of Compliance](#)  
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