



# STANDARD CIRCULAR CONNECTORS



✓ Active

## TE CONNECTIVITY (TE) SQUARE FLANGE RECEPTACLE

DEUTSCH | 38999 Series III

D38999/20MC35PA

TE Internal Number: YACT20MC35PAV00100

Mil-Spec: D38999/20MC35PA

Alias ID: ACT20MC35PAV001

Always EU RoHS/ELV Compliant

Product Type **Connector**

Mounting Style **Square Flange**

Shell Plating Material **Electroless Nickel**

Shell Material **Composite**

Polarization Code **A**

No documentation available.

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

### Product Type Features

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

### Configuration Features

Number of Power Positions	<b>22</b>
Preloaded	<b>No</b>
Number of Positions	<b>22</b>
Factory Installed Backshell	<b>No</b>
Positions Unloaded	<b>All</b>
Keying	<b>Keyway Polarization A</b>
Position Keyed	<b>A</b>

### Electrical Characteristics

Operating Voltage	<b>400 VAC [ 550 VDC ]</b>
Voltage (Vrms)	<b>1300</b>

Body Features	Shell Plating Material	<b>Electroless Nickel</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>A</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>
Usage Conditions	Operating Temperature Range	<b>-65 – 200 °C [ -85 – 392 °F ]</b>
	Fluid Resistance	<b>Yes</b>

Operation/Application	Durability Rating (Cycles)	<b>500</b>
Packaging Features	Packaging Quantity	<b>1</b>

Product Compliance

[Statement of Compliance](#)  
PDF

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