NTSEAL 20 POSITION CONNECTOR

Providing flexible and robust wire-to-wire connectivity in a compact format, TE Connectivity(TE)'s innovative 20-position, high-density hybrid sealed connector - NTSEAL 20 position connector utilizes the proven TE/DEUTSCH Common Contact System for serviceable applications in harsh environments.

The rugged, sealed connector system—with backshell—is IP67, IP68, and IP6K9K-rated for use in agricultural vehicles, buses, construction equipment, trucks, and other applications and industries where proven environmental protection is required. Hybrid contact agreement provides design flexibility for power and signal applications.

The connector can be used in environments exposed to extreme temperatures and engine-level vibrations. The integrated TPA and CPA, tool-free mount design eliminates the need for additional parts or tools, providing quick, easy installation and repair. Back shells and mounting clips are available to provide engineers the options needed to design robust solutions for use in harsh environments.

Key Benefits

THE TRUSTED & RELIABLE CHOICE

- Utilizes the high-performance DEUTSCH Size 16 & 20 Common Contact System
- Achieves IP67, IP68, and IP6K9K sealing levels (with back shell)
- Designed for extreme temperatures (-40°C ~ 125°C) and engine-level vibrations
- Integrated Terminal Position Assurance (TPA) ensures proper contact installation
- Integrated Connector Position Assurance (CPA) ensures correct assembly and prevents accidental unlocking

EASE OF USE

- DEUTSCH clean body contacts (tang-less contacts) are easy to install and repair
- Prevents mismating of connectors with four coding options and colors

INCREASED FLEXIBILITY

- Optimal flexibility with hybrid contact arrangement and flange mount options
- Uses robust and proven TE accessories like back shells and mounting clips

Applications

Wire-to-Wire	Panel/Bulkhead Mount	Engine	Chassis	Automation	After-Treatment

Industries

Truck	Construction	Bus	Power Sports	Specialty Vehicles
Marine	Agriculture	Lift Truck	Recreational	

NTSEAL 20 POSITION CONNECTOR

Product Features

Protection
- IP67, IP68, and IP6K9K (with Back Shell)

Operating Temperature
- -40°C ~ 125°C

Operating Voltage
- 12V / 24V

20 Position
- Size 20 (x16) Size 16 (x4)

Contact / Terminal System
- DEUTSCH Size 20 & 16 Contacts

Operating Current
- 7.5A / 13A (125°C)

Part Numbers

Socket Housing P/N		Pin Housing P/N					
Without CPA	**With CPA**	**Without Flange**	**With Flange (not watertight)**	**With Flange (Watertight)**	**Coding**	**Housing Color**	**Picture**
1-2350890-1	2350890-1	2350891-1	1-2350891-1	2-2350891-1	A	Black	
1-2350890-2	2350890-2	2350891-2	1-2350891-2	2-2350891-2	B	Grey	
1-2350890-3	2350890-3	2350891-3	1-2350891-3	2-2350891-3	C	Green	
1-2350890-4	2350890-4	2350891-4	1-2350891-4	2-2350891-4	D	Blue	

Matching Contacts

Contacts Series	Socket P/N	Pin P/N	Wire Size	Insulation Diameter	Applicable Cavity
DEUTSCH Size 16 Contact	1060-16-01**	1062-16-01**	1.0~1.5mm^2	1.9~2.4mm	1, 4, 17, 20
	1060-16-06**	1062-16-06**	0.5~1.0mm^2	1.4~2.4mm	
DEUTSCH Size 20 Contact	1060-20-01**	1062-20-01**	0.5~1.5mm^2	1.9~2.4mm	Other Cavities
	1060-20-02**	1062-20-02**	0.5~1.5mm^2	1.4~2.16mm	
	1060-20-06**	1062-20-06**	1.0~1.5mm^2	1.9~2.4mm	
	-	1062-20-03**	0.5~1.5mm^2	1.9~2.4mm	

Note: ** = Contact Plating Code
22=Nickel, 44=Gold, 77=Tin

Accessories

Name	Number	Color	Adaptive Parameters	Picture
Mounting Ring To Be Used On Pin Housing With Flange Type	2350943-1	Yellow	Panel Thickness: 1.5 ± 0.1mm	
	2350943-2	Gray	Panel Thickness: 3.0 ± 0.1mm	
Sealing Plug	114017	White	Size 16 Terminal Cavity	
	0413-217-1605	White	Size 16 Terminal Cavity (Retained by Locking Fingers)	
	776364-1	Yellow	Size 20 Terminal Cavity	
	2373921-1	Grey	Size 16 Terminal Cavity	
	2373921-2	Yellow	Size 20 Terminal Cavity	
Back Shell	2357921-1	Black	90° Adapter Back Shell (To Be Used on 180° Back Shell)	
	2357302-1	Black	180° Socket Housing Back Shell (NW17)	
	2357302-2	Black	180° Pin Housing Back Shell (NW17)	

Clips (To Be Used On Pin Housing Without Flange Type)	2355806-1	Black	Bracket Hole Size: ø7.0 (mm) Panel Thickness: 1-2 (mm)	
	2357922-1	Black	Panel Thickness: 2.0-3.5mm Through Hole ø6.35mm Above 3.5-6.0mm Threaded M8	
	1027-003-1200	Stainless Steel	180° Mounting Clip (Hole O.D 11mm)	
	1027-008-1200	Steel Without Zinc Plating	90° Mounting Clip (Hole O.D 11mm)	

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