

DEUTSCH | DEUTSCH DRC

TE Internal #: DRC12-70PA

Housing for Male Terminals, Wire-to-Wire, 70 Position, .216 in [5.49 mm] Centerline, Sealable, Black, Wire & Cable, Power & Signal,

DEUTSCH DRC

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Connector & Housing Type: Housing for Male Terminals

Mating Pin Diameter: 1.59 mm [.063 in]

Connector System: Wire-to-Wire

Number of Positions: 70

Centerline (Pitch): 5.49 mm [.216 in]

All DEUTSCH DRC HOUSINGS (112)

Features

Product Type Features

Product Type Features	
Connector & Housing Shape	Rectangular
Connector & Housing Type	Housing for Male Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Hybrid Connector	No
Primary Locking Feature	Contact Retainer
Connector & Contact Terminates To	Wire & Cable
Configuration Features	
Blank Cavity Position	0
Number of Positions	70
Number of Rows	5
Electrical Characteristics	
Operating Voltage	250 VAC
Nominal Voltage Architecture	12 V, 24 V, 48 V
Body Features	

180°

PPS GF

Cable Exit Angle

Body Material



Contact Type Pin Mating Pin Diameter 1.59 mmi.063 in] Contact Current Rating (Max) 13 A Mechanical Attachment Mounting Feature With Terminal Position Assurance No Mating Alignment Type Region With Connector Mounting Type Panel Mount Contect (Mounting Type Panel Mount Connector Mounting Type Stapes Stapes In Stapes Panel Mount Connector Mounting Type Stapes In Sta		
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Mating Alignment Type Mating Alignment Mating Alignment Connector Mounting Type Housing Features Centerline (Pitch) Connector Width Product Width Product Length Product Length Product Height Row-to-Row Spacing Operating Temperature (Max) Operating Temperature Range Operating Temperature Range Operating Alignment Type Mating Alignment Type Keyed Mith Mith Panel Mount 126 in] 126.82 mm[1.796 in] 126.82 mm[4.993 in] 126.82 mm[4.993 in] 126.82 mm[4.993 in] 127 in] Product Height Say 3 mm[2.32 in] Row-to-Row Spacing Departing Temperature (Max) Operating Temperature (Max) Operating Temperature Range Operating Temperature	Terminal Position Assurance	No
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Connector Mounting Type Housing Features Centerline (Pitch) S.49 mm(.216 in) Froduct Width Product Width Product Length 44.63 mm[4.793 in] Product Height S8.93 mm[2.32 in] Row-to-Row Spacing S.49 mm(.216 in) Jaage Conditions Operating Temperature (Max) Operating Temperature Range Operation/Application Circuit Application Agency/Standard Degree of Protection UL Flammability Rating 20mm Flame Test per Standard UL-94	Mating Alignment Type	Keyed
Centerline (Pitch) Centerline (Pitch) S.49 mm[.216 in] Product Width Product Width Product Length A4.63 mm[1.757 in] Product Height Row-to-Row Spacing Sage Conditions Operating Temperature (Max) Operating Temperature Range Operating Temperature Range Operating Temperature Circuit Application Circuit Application Agency/Standard Degree of Protection UL Flammability Rating A4.63 mm[.216 in] A4.63 mm[.216 in] A4.63 mm[.2757 in] A4.63 mm[.2757 in] A4.63 mm[.216 in] A5.49 mm[.216 in] A6.87 °C[257 °F] A6.87 °C[257 °F] A6.87 °C[-67 – 257 °F] A6.87 °C[-67 –	Mating Alignment	With
Centerline (Pitch) Cimensions Product Width Product Length Product Height Row-to-Row Spacing Operating Temperature (Max) Operating Temperature Range Operating Temperature Range Operation/Application Circuit Application Circuit Application Agency/Standard Degree of Protection UL Flammability Rating Product Height 126.82 mm[4.993 in] 44.63 mm[1.757 in] 58.93 mm[2.32 in] 58.	Connector Mounting Type	Panel Mount
Product Width 126.82 mm[4.993 in] 44.63 mm[1.757 in] 44.63 mm[2.32 in] 5.49 mm[2.32 in] 5.49 mm[2.16 in] 45.82 conditions Operating Temperature (Max) 125 °C[257 °F] 125 °C[-67 – 257 °C[-67 – 257 °F] 125 °C[-67 – 257 °C[-67 – 257 °C[-67 – 257 °C[-67 – 257 °C[-6	Housing Features	
Product Width 126.82 mm[4.993 in] Product Length 44.63 mm[1.757 in] Product Height 58.93 mm[2.32 in] Row-to-Row Spacing 5.49 mm[.216 in] Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range -55 – 125 °C[-67 – 257 °F] Operation/Application Circuit Application Power & Signal Industry Standards Agency/Standard SAE J2030 Degree of Protection IP68, IP6K9K UL Flammability Rating 20mm Flame Test per Standard UL-94	Centerline (Pitch)	5.49 mm[.216 in]
Product Length 44.63 mm[1.757 in] Product Height 58.93 mm[2.32 in] Row-to-Row Spacing 5.49 mm[.216 in] Jeage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range -55 – 125 °C[-67 – 257 °F] Operation/Application Circuit Application Power & Signal Industry Standards Agency/Standard SAE J2030 Degree of Protection IP68, IP6K9K UL Flammability Rating 20mm Flame Test per Standard UL-94	Dimensions	
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Operating Temperature (Max) Operating Temperature Range -55 – 125 °C[-67 – 257 °F] Operation/Application Circuit Application Power & Signal Industry Standards Agency/Standard Degree of Protection UL Flammability Rating 125 °C[257 °F] -55 – 125 °C[-67 – 257 °F] Power & Signal Power & Signal 125 °C[-67 – 257 °F] 125	Product Height	58.93 mm[2.32 in]
Operating Temperature (Max) Operating Temperature Range -55 – 125 °C[-67 – 257 °F] Operation/Application Circuit Application Power & Signal Agency/Standards Agency/Standard Degree of Protection IP68, IP6K9K UL Flammability Rating 125 °C[257 °F] -55 – 125 °C[-67 – 257 °F] -60 – 100	Row-to-Row Spacing	5.49 mm[.216 in]
Operating Temperature Range -55 – 125 °C[-67 – 257 °F] Operation/Application Circuit Application Power & Signal Industry Standards Agency/Standard SAE J2030 Degree of Protection IP68, IP6K9K UL Flammability Rating 20mm Flame Test per Standard UL-94	Usage Conditions	
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Circuit Application Power & Signal ndustry Standards Agency/Standard SAE J2030 Degree of Protection IP68, IP6K9K UL Flammability Rating 20mm Flame Test per Standard UL-94	Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
Agency/Standard SAE J2030 Degree of Protection IP68, IP6K9K UL Flammability Rating 20mm Flame Test per Standard UL-94	Operation/Application	
Agency/Standard SAE J2030 Degree of Protection IP68, IP6K9K UL Flammability Rating 20mm Flame Test per Standard UL-94	Circuit Application	Power & Signal
Degree of Protection IP68, IP6K9K UL Flammability Rating 20mm Flame Test per Standard UL-94	Industry Standards	
UL Flammability Rating 20mm Flame Test per Standard UL-94	Agency/Standard	SAE J2030
	Degree of Protection	IP68, IP6K9K
Packaging Features	UL Flammability Rating	20mm Flame Test per Standard UL-94
	Packaging Features	



Packaging Quantity	21
Packaging Method	Box
Other	
Serviceable	Yes
Connector Position Assurance Capable	No

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not reviewed for solder process capability

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 # CAT-D48-SP729 DEUTSCH SEALING PLUGS



TE Part # CAT-D48-ST273 DEUTSCH SOLID CONTACTS



EXT TOOL, SIZE 16, 14-16 AWG, N, GRN



DRK BLU



TE Part # CAT-D799-CH8172 DEUTSCH DRC HOUSINGS



TE Part # CAT-D48-SFT273 DEUTSCH STAMPED & FORMED CONTACTS



TE Part # DRC70-GKT GASKET, 70P, BLK, DRC16





Also in the Series | DEUTSCH DRC



Automotive Connector Caps & Covers



Automotive Housings(112)



Insertion & Extraction Tools(7)



PCB Headers & Receptacles(41)

Customers Also Bought



TE Part #DRC12-70PB DEUTSCH DRC HOUSINGS





Documents

Product Drawings

REC, 70P, BLK, N, FLANGE, A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DRC12-70PA_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DRC12-70PA_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DRC12-70PA_D.3d_stp.zip

English

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Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Agency Approvals

UL Report

English