

DEUTSCH | DEUTSCH DRC

TE Internal #: DRC14-40PA

Housing for Male Terminals, Wire-to-Wire, 40 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: 40

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

All DEUTSCH DRC Housings (112)

Features

Product Type Features

Product Type Features	
Connector 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	40
Number of Rows	4
Electrical Characteristics	
Operating Voltage	250 VAC
Nominal Voltage Architecture	12 V, 24 V, 48 V
Body Features	

180°

Black

Cable Exit Angle

Primary Product Color



Connector & Keying Code	A
Contact Features	
Contact Size	Size 16
	Pin
Contact Type Mating Pin Diameter	1.59 mm[.063 in]
Mating Pin Diameter Contact Current Rating (Max)	1.37 mm[.003 m] 13 A
Mechanical Attachment	IJA
Terminal Position Assurance	No
Strain Relief	Add By Accessory
Mating Alignment Type	Keyed
Mating Alignment Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)
	Cable Mount (Free Franging)
Housing Features	
Housing Material	PPS GF
Centerline (Pitch)	5.49 mm[.216 in]
Dimensions	
Connector Height	30.53 mm[1.202 in]
Product Width	73.86 mm[2.908 in]
Product Length	43.15 mm[1.699 in]
Row-to-Row Spacing	5.49 mm[.216 in]
Jsage Conditions	
Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
Operation/Application	
Circuit Application	Power & Signal
ndustry Standards	
Degree of Protection	IP68, IP6K9K
Agency/Standard	SAE J2030
UL Flammability Rating	20mm Flame Test per Standard UL-94
Packaging Features	
Packaging Quantity	125



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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
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 # 0411-291-1405 EXT TOOL, SIZE 16, 14-16 AWG, N,



TE Part # 0411-204-1605 EXT TOOL, SIZE 16, 16-18 AWG, N, DRK BLU



TE Part # DRC40-BT BOOT, 40P, 16SZ, PLG/REC, ST, BLK



TE Part # 2300908-1 0460-003-16329, PIN, SOLID, 20-24AWG, AU



BOOT, 40P, 16SZ, PLG/REC, RA, BLK

TE Part # 0504-001-4001 DUST CAP, 40P, REC, BLK, DRC16

TE Part # 0515-001-4005 PROTECT CVR, 40P, PLG, WHT, DRC16 TE Part # 0515-002-4005 PROTECT CVR, 40P, REC, WHT, DRC16

TE Part # CAT-D48-SFT273 DEUTSCH Stamped and Formed Contacts

TE Part # DRC40-BT-DH BOOT, 40P, 16SZ, PLG/REC, ST, DRN HOLE,BLK

TE Part # DRC40-BT-GRAY BOOT, 40P, 16SZ, PLG/REC, ST, GRY TE Part # DRC40-BT-YW BOOT, 40P, 16SZ, PLG/REC, ST, YEL

Also in the Series | DEUTSCH DRC



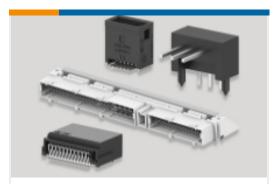
Automotive Connector Caps & Covers



Automotive Housings(112)



Insertion & Extraction Tools(7)



PCB Headers & Receptacles(44)

Customers Also Bought



TE Part #HDP24-24-23SN DEUTSCH HDP20 Housings



TE Part #DRC14-24PA DEUTSCH DRC Housings





Documents

Product Drawings

REC, 40P, BLK, N, A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DRC14-40PA_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DRC14-40PA_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DRC14-40PA_D.3d_stp.zip

English

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Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

Product Specifications

Engineering Report

English

Agency Approvals

UL Report

English