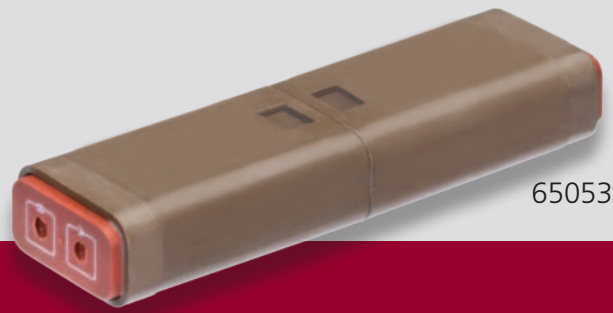




65049-20R-XXX



65053-XXX

Composite In-Line Termination System

The Deutsch In-Line termination junctions, built to Mil-Spec 81714, are designed to connect two to four wires in an environmentally sealed system. The junctions can be pass-through or contain discrete passive components (diodes, resistors, capacitors, fuses, etc.) to customer specification, as long as dimensionally, the component chosen fits within the In-Line junction. Contact sockets crimped on wire are insert/removable from the housing.

The serviceable contact of the junction allows for example, a fuse to be replaced without having to

re-crimp contacts. Rubber sealing materials can be specified to meet challenging fluid requirements from Hydraulic Fluid to Jet Fuel exposure, or a compromise between the two. The lightweight nature of the composite inline increases installation flexibility such as placement into a wire bundle without being mounted. Wherever a robust, environmentally sealed discrete electronic junction is required, the Deutsch Composite In-Line termination is your go-to solution.

Features

- Rugged composite housing
- Serviceable socket contacts
- Environmentally sealed
- Lightweight design
- Wire range from 22 to 12 AWG
- Fluid resistant materials: Hydraulic Fluid, Jet Fuel, etc.

Benefits

- Quick electrical solution
- No exposed discrete components
- Hand crimp socket contacts
- Reliable and quick termination
- No mounting required
- Wide range of common gauge wire

Specifications

- Dielectric Withstanding Voltage (DWV)
1500Vrms @ sea level & 200 Vrms @ 110k ft
- Temperature
Operating Temperature: -65°C to +200°C
- Insulation Resistance
Ambient Temperature: >5,000 MΩ @ 25°C
- Electrical Continuity
Shock Exposure: <1μsec @ 300g sine/2, 3ms
Vibration: <1μsec @ 30g peak
- Wire Grommet Seal Range

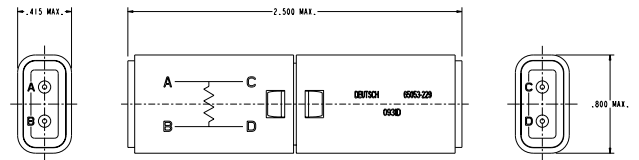
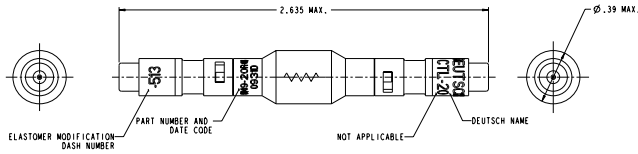
Contact Size	Max Wire OD	Min Wire OD
22	0.060	0.030
20	0.083	0.040
16	0.109	0.065
12	0.142	0.097



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Available In-Line Termination Solutions



SINGLE IN-LINE JUNCTION 65049-20R-XXX (R = resistor)

XXX	Component Value	Manufacturer PN
004	5.1K Ω , 1/4 W, 2%	RLR07C5101GS
009	510 Ω , 1/4 W, 5%	RCR07G511JS
010	390 Ω , 1/4 W, 5%	RCR07G391JS
011	150K Ω , 1/4 W, 5%	RLR07C1500JS
016	1540 Ω , 1/4 W, 1%	RLR07C1541FS
017	100K Ω , 1/8 W, 1%	RNR55C1003F* (* = R or S)
018	10K Ω , 1/4 W, 1%	RLR07C1002FS
019	2.7K Ω , 1/4 W, 2%	RLR07C2701GS
022	430K Ω , 1 W, 1%	RWR81S4300FR
024	1K Ω , 1/2 W, 1%	PPC1.00KXCT-ND
025	1.25K Ω , 1/4 W, 1%	RNF55-125LR,-1%-5PPM-1
026	100K Ω , 1/4 W, 1%	RLR05C3161FS

DUAL IN-LINE JUNCTION 65053-XXX

XXX	Component Value	Manufacturer PN
201	36Vwm @ 23A, Bi-Dir	Diode = 1N6388
202	420Vrms @ 3A	Diode = 1N5406
203	420Vrms @ 3A	Diode = dual 1N5406
204	14Vz @ 6.7Azs	Diode = 1N5351B
205	125V, 0.5A	Fuse = dual FM08A125V1/2A
208	700Vrms @ 10A peak	Diode = dual 1N4007
214	600Vrrm @ 1A	Diode = dual 1N5618
216	120 Ω , 1/2 W	Resistor = RCR20G121JS
219	125V, 2A	Fuse = FM08A125V1/2A
220	125V, 7A	Fuse = PICO II SLO-BLO 473
224	125V, 1A	Fuse = PICO II SLO-BLO 473
226	1 Ω , 1W	Resistor = OHMITE WHB1ROFE

65049-20D-XXX (D = diode)

XXX	Component Value	Manufacturer PN
016	600Vrms @ 1A	JANTX 1N5619
018	700Vrms @ 3A	JANTX 1N5554

65049-20F-XXX (F = fuse)

XXX	Component Value	Manufacturer PN
004	125V @ 0.5A	FM08A (TINITRON FUSE)

Please ask your sales person for customized specifications (based on discrete passive requirement part number)



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