

Datasheet

Stock No: 202-515

RS Pro 25-pin D connector null modem adaptor



Product Details

Null Modem Adaptor

A 25-pin 'D' connector modem adaptor for use in cases where a cable or modem installation requires a transmit-data/receive-data cross-over connection. Within the unit pins 2 and 3 are crossed over (2-3//3-2), and all other lines are wired pin to pin straight through. The units are of moulded PVC construction and are fully screened against RFI/EMI interference. They are supplied in M/F format to produce no gender change while in line, and come complete with locking hardware. 100M Ω insulation resistance. 300V operating voltage, durability of 500 mating cycles.

6 line DTE/DTE crossover		4 line null-modem		Full handshake null modem	
male	female	male	female	male	female
1	1	1	1	1	1
2	3	2	3	2	3
3	2	3	2	3	2
4	5	7	7	4	5
5	4	link 4+5	link 4+5	5	4
6	8+20	link 6+8+20	link 6+8+20	6	8+20
7	7			7	7
8+20	6			8+20	6



The 25-pin D-type modem adaptor provides a quick solution in cases where a cable or modem installation requires a transmit data/receive data cross-over connection. Within the unit pins 2 and 3 are crossed over (2-3, 3-2) and all other 23 lines are wired pin to pin. Each unit is fully moulded in construction and screened against RFI/EMI interference. Locking hardware is included. Due to the 25 male/female configuration no gender change is effected when the unit is inserted in-line.
Colour: Black.

Technical Specification

A. Connectors:

- 1. D-sub 25-pins male and female.
- 2. Insulator: PBT plus 30 % glass reinforced. UL94V-0 rating.
- 3. Shell: Steel, tin plate over copper.
- 4. Contacts: Male - bronze, gold-plated 3 micro-inch over nickel.
Female - phosphor bronze gold-plated 3 micro-inch over nickel.

B. Moulding:

- 1. Inner material PE (polyethylene).
- 2. Body material: PVC (polyvinyl-chloride component).
- 3. Shielding: Full aluminium foil shielded.

C. Electronic characteristic:

- 1. Current rating: 1A max.
- 2. Operating voltage: 300V.
- 3. Insulation resistance: 100MΩ min. at 500V d.c.
- 4. Temperature rating: 60°C.
- 5. Dielectric strength 1.25kV a.c. for one minute.
- 6. Contact resistance: 15mΩ max.
- 7. Mating cycles: 500 cycles max.

D. Wiring Specification:

25 D MALE	25 D FEMALE
1-----	1
2-----	3
3-----	2
4-----	4
Pins 5-24 inclusive, wired pin to pin	
25-----	25