

3M**SID™-CT**

connection and disconnection modules



SID-CT disconnection module 10 pair

With the SID product family 3M is setting the standards for high density IDC termination combined with improved handling. The main applications are in telecommunications and data networks. The SID insulation displacement contacts are enclosed by the plastic housing of the module. This improves the insulation performance and helps in providing a safe working practice.

The SID connection technology was developed for orderly termination of plastic insulated cables and jumper wires, allowing for individual screened circuits to be terminated.

The SID-CT modules are suitable for SID and LSA-PLUS® / QSA backmount frames as well as for the FlexiRail profile system. They are capable of accepting conductor diameters from 0.4 to 0.8 mm.

The SID-CT modules are available as 8 and 10 pair connection and disconnection modules.

A significantly increased capacity compared to other techniques is achieved with the compact SID-CT module.

Backmount frames or profile rails are available as required, and also FlexiRail as an individual mounting system for targeted applications. 3M's individual mounting systems reflects the trend towards improved handling.

A wide range of accessories and a comprehensive overvoltage protection complete the product family.

Features

- High packing density as a result of compact design
- Conductor diameters from 0.4 – 0.8 mm
- Almost double the jumpering space between the modules when using LSA-PLUS / QSA backmount frame

Benefits

- Suitable for SID, LSA-PLUS / QSA backmount frames and FlexiRail profile system
- Wear-resistant, economical termination tool
- Due to the fastening system the SID-CT can be easily unclamped by hand, no tool is necessary
- Comprehensive accessories and overvoltage protection

Specification

General product features

Contact principle	Resilient contact design with insulation displacement to DIN 41611 part 6.t
Capacity	8 / 10 pair
Type of circuit	Connection/disconnection
Materials	
Housing:	ABS, self extinguishing UL94 V-0
Colour:	Grey, RAL 7035
Back mount:	Stainless steel
Contacts:	Special brass alloy, silver-plated
Dimensions (L x W x D)	124 x 17.3 x 37 mm
Minimum pitch	17.5 and 22.5 mm

Connection features

Conductor range (solid copper)	
Wire diameter	0.4 – 0.8 mm (AWG 26-20)
Overall insulation sheath diameter	0.7 – 1.6 mm (PE, cell PE, PVC or PVC and PA)
Number of reterminations	
0.4 – 0.6 mm (AWG 26-22)	> 100
0.8 mm (AWG 20)	> 30 (Rewiring only with conductor $\emptyset \geq 0.6$ mm possible)
Insertion tool	SID comfort tool

Electrical features

Air path	≥ 2.5 mm
Leakage paths	≥ 3 mm
Insulation resistance	$\geq 5 \times 10^4$ M Ω @ 500 V (40 °C, 93% RH., DIN IEC 68, part 2-3)
Dielectric strength	≥ 2000 VAC / 50 Hz / 60 s VDE 0472T.509
Nominal operating current	≤ 5 A (EN 60947-7-1)
With stand test	≥ 4.0 kV @ 1,2 / 50 μ s (IEC 60-1)
Impulse discharge current	≥ 10 kA @ 8 / 20 μ s (IEC 60-1)
Contact transfer resistance	≤ 1 m Ω (new condition)
Contact resistance	≤ 10 m Ω
Remote supply voltage PCM11	320 V / DC
Cross talk (EN 50173)	> 70 dB @ 1 MHz > 53 dB @ 10 MHz > 48 dB @ 20 MHz > 34 dB @ 100 MHz
Transmission performance	Cat. 3
Temperature	
Operating temperature	-40 °C – +80 °C
Storage temperature	-40 °C – +90 °C

Ordering information

Ref. No.

SID-CT connection module for 10 pair

numbered 1.....0

no printing

Use: For mounting on SID or LSA-PLUS / QSA backmount frames and on FlexiRail profile system

79101-589 00



SID-CT disconnection module for 10 pair

numbered 1.....0

green printing

Use: For mounting on SID or LSA-PLUS / QSA backmount frames and on FlexiRail profile system

79103-557 00

SID-CT disconnection module for 8 pair

numbered 1.....8

green printing

Use: For mounting on SID or LSA-PLUS / QSA backmount frames and on FlexiRail profile system

79103-564 00

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