



3M™ Quick Connect System 2810

Designed for your broadband network

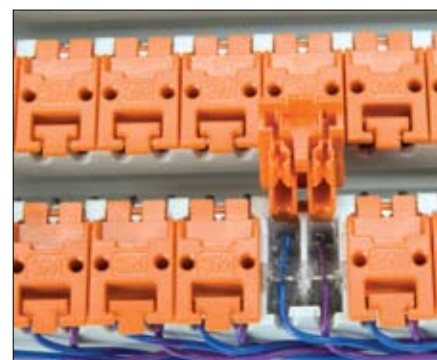
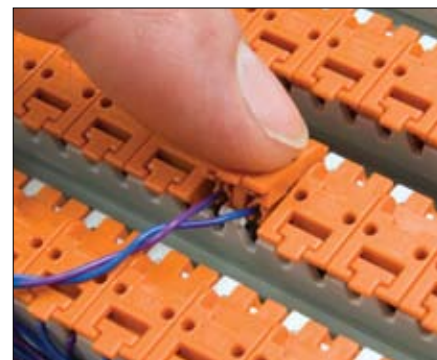
The 3M™ Quick Connect System 2810 is the latest insulation displacement connector termination system from 3M, the company that invented the IDC more than 50 years ago. The QCS 2810 is a simple-to-use, tool-less copper block; an ideal solution for outside plant applications. Whether in cross-connect cabinets or at the edge of the network, the gel-filled, Cat. 5e compliant 2810 system is the solution.

New demands in an age of information

Every day, local loop providers work to provide enhanced customer services such as data access with faster Internet transmission, video-on-demand and video conferencing. Many providers are deploying ADSL2+ & VDSL2 over twisted pair copper cable to meet these demands. As new technologies migrate into the local loop, the importance of connections in the embedded plant increases. 3M provides connectors you can trust.

Visual confirmation without signal loss

Contact integrity is critical, not only at the time of installation but over the life of the connector. The QCS 2810 can be re-opened without breaking the circuit for visual validation of the IDC connection. High-integrity gel encapsulation protects against moisture and corrosion, and is designed to remain in place even after multiple wire insertions.



Features	Benefits
Tool-less jumpering	Simple termination practices increases technician productivity
Gelled interconnect	High integrity connection for network reliability & broadband performance
Visibility to jumpers	Ability to inspect jumper termination allows validation of connection, minimizing rework
Category 5 performance	Reliable high-speed data transmission exceeding VDSL2 frequencies
Pair-at-once termination	Increases craft productivity
Low termination force	Craft-friendly, tool-less design



As you like it

The 3M™ Quick Connect System 2810 is available in models and frames to meet your application. The QCS 2810 system is modular in design. Termination blocks are available for pre-terminated applications in a 50-pair block or field-terminated applications in a 10-pair strip. In field-terminated applications, the block fits on standard frames and is capable of terminating cable-side either with thumb actuation or with a convenient punch-down tool for increased productivity.

Field cable termination options

The 3M™ Quick Connect System 2810A: A 10-pair strip utilizing an IDC punch down tool to insert the cable wire into the back-side IDC element and trim the wire in one motion. This tool increases craft productivity in the installation of a cabinet, allowing the craft to prepare all ten cable pair that go to a given block and then to follow along with the tool and insert each wire in short order. Once the block is cabled and placed on the frame, the jumpering is completely tool-less.

The 3M™ Quick Connect System 2810B: A 10-pair strip with completely tool-less termination. In this strip, the ergonomic jumper caps are located on the cable side as well as the jumper side allowing for tool free termination of the cables and tool-less jumpering. All terminations are pair-at-a-time.

Pre-terminated option

The 3M™ Quick Connect System 2810PT: The pre-terminated configuration of the QCS 2810 is available in 50-pair increments. The blocks come terminated with twisted-pair tails to 3M™ 710 or 3M™ MS²™ Modules. Different wire lengths and modules are available on request.

Applications

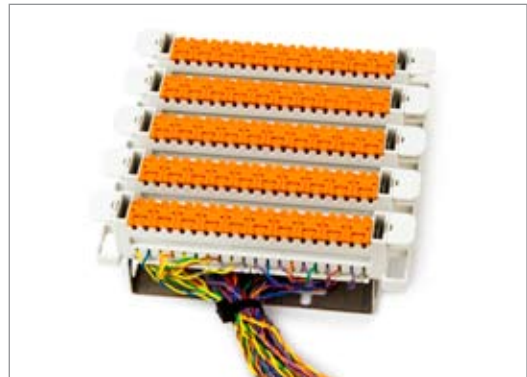
The Quick Connect System 2810 can be used throughout the network as the common interconnectivity and termination platform. Designed specifically for rugged use and robust performance in the outside plant, the QCS 2810 is ideal for use in Building Entrance Terminals (BET/PET), Network Interface Devices (NIDS), cable terminals and drops (buried, pedestal, strand or DP mount), cross-connect cabinets and remote terminals.



3M™ Quick Connect System 2810A



3M™ Quick Connect System 2810B



3M™ Quick Connect System 2810PT

3M™ Quick Connect System 2810

Mechanical Specifications

Dimensions:	Height	Width	Depth*
10-pair strip (not on frame)	20 mm / 0.79"	135 mm / 5.31"	26 mm / 1.02"
50-pair block (on frame, 25mm pitch)	125 mm / 4.9"	135 mm / 5.31"	47 mm / 1.85"
50-pair block (on frame, 22.5mm pitch)	112.5 mm / 4.4"	135 mm / 5.31"	47 mm / 1.85"
* Depth-on-frame can vary depending on pair count			
Wire range IDC contacts – solid copper conductor	0.4 mm to 0.6 mm	26 AWG to 22 AWG	
Wire re-terminations:	250 re-terminations of 24 AWG per Telcordia TR-NWT-001195		

Electrical

Insulation resistance:	>1x10 ¹⁰ Ω
Contact resistance:	< 10 mΩ
Dielectric strength:	3000 V rms, 60 Hz AC
High voltage surge:	3000 V DC Surge

Broadband

EIA/TIA 568B.2	Category 5e component compliant
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Environmental

Telcordia TR-NWT-001195 "In process"	"Generic Requirements for Insulation Displacement Connector (IDC) Cross-Connect Terminal Blocks"
Operating temperature range	-20°C to 60°C
Storage temperature range	-40°C to 90°C
RoHS: Compliant with EU RoHS Directive (2005/95/EC)	

Materials

Plastics:	Thermoplastic
Contacts:	Bronze, Tin (Sn) plating

Ordering Information

Product Number	Product Description	3M Stock Number	Min. Order
2810A-0	Type A cross-connect terminal block field term SOR—Orange	XS003873386	200
2810B-0	Type B cross-connect terminal block field term tool-less—Orange	XS003873394	200
2810L	Label holder for 2810	XS003874053	100
2810RC-0	Replacement cap—Orange	XS003874061	100
2810PC-R	Priority cap—Red	XS003874079	100
2827	Single-pair test probe	XS003874087	1
SOR OC	Cable wire termination tool—SOR OC	FQ100024824	1

“RoHS Compliant 2005/95/EC” means that the product or part (“Product”) does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under RoHS. This information represents 3M’s knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to 3M.

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