

# 3M™ QSA System

With the QSA product family 3M is setting the standard for high density IDC termination combined with improved handling. The main applications are in tele-communications and data networks.

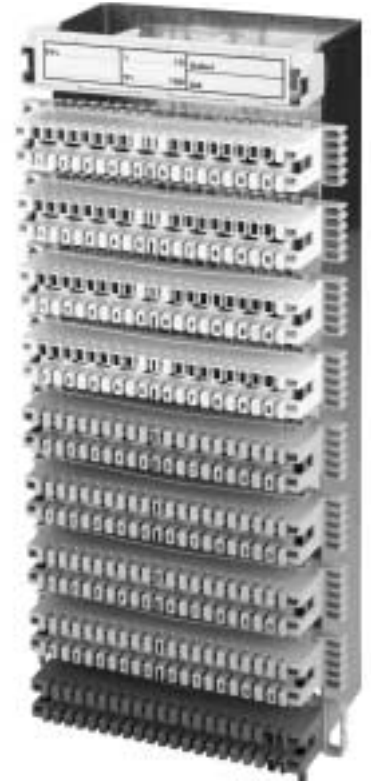
The QSA insulation displacement contacts are enclosed by the plastic housing of the module. This improves the insulation performance and helps provide a safe working practice.

The QSA product family is available in 8 and 10 pair connection and disconnection modules. 3M's individual mounting systems

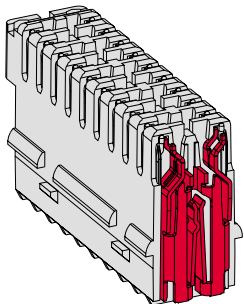
reflect the trend towards improved handling. Backmount frames or profile rails are available as required. FlexiRail is also available as an individual mounting system for targeted applications.

A significantly increased capacity compared to other techniques is achieved with the compact QSA module.

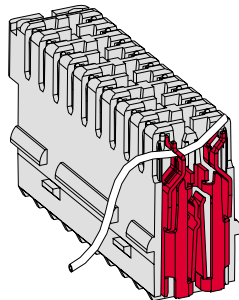
A wide range of accessories and a comprehensive overvoltage protection complete the product family.



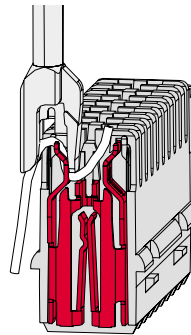
## Cable Management



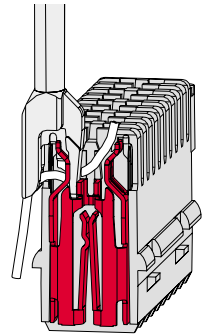
1. Sectional view of QSA module.



2. Pull wire well down into the clamping grooves.



3. Using a screwdriver or connection tool, push in firmly.

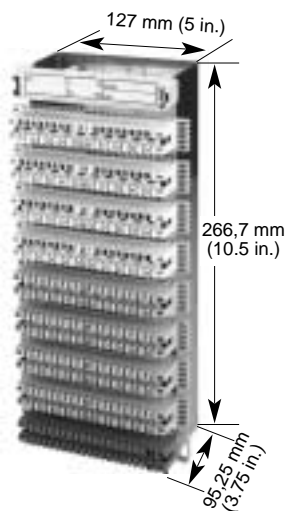


4. Proper contacting and removal of the excess wire is indicated by a click.

# 3M™ QSA-Plus Disconnection Blocks

## QSA-Plus Disconnection Block

- Each block is equipped with:
- 10 disconnection modules, 10 pairs
  - 1 label holder
  - 1 plug in numbers 10-100
  - 1 mounting material
  - 1 backmount frame



101

# 3M QSA-Plus Modules

## QSA-Plus Connection Module 79101-510 00-NA



102

## QSA-Plus Disconnection Module 79103-510 00-NA



103

Connection module for 10 pairs numbered 1-0 (grey printing)

Disconnection module for 10 pairs numbered 1-0 (grey, white printing)

## QSA Line Modules

Product Number	Description	Dimensions		UPC
		L x W x D mm (in.)		
79101-510 00-NA	QSA-Plus connection module for 10 pairs	112 x 17,3 x 37 (4.41 x 0.68 x 1.46)		05111512426
79103-510 00-NA	QSA-Plus disconnection module for 10 pairs	112 x 17,3 x 37 (4.41 x 0.68 x 1.46)		05111512432
79101-511 00-NA	QSA-Plus connection module 10 pairs with color code	-		05111512427
79103-511 00-NA	QSA-Plus disconnection module 10 pairs with color code	-		05111512433
79101-518 00-NA	QSA-Plus connection module 20 pairs	-		05111512429

# 3M™ QSA Backmount Frames

## QSA-Plus Backmount Frame Grip 79151-512 25-NA



104

### QSA-Plus Backmount Frame Grip

Product Number	Product Description	UPC
79151-512 25-NA	QSA-Plus backmount frame, grip for 20+1 modules	05111512422
79148-565 00-NA	QSA-Plus backmount frame, 100 pair, grip 27.5 mm (1.08 in.)	05111512434

# 3M QSA-Plus Labeling Frame Complete

## QSA Labeling Frame 79156-500 00-NA



105

### QSA-Plus Labeling Frame

Product Number	Product Description	UPC
79156-500 00-NA	QSA-Plus labeling frame complete	05111512423
79156-505 00-NA	QSA-Plus labeling frame for 10 modules	05111512424

# 3M™ QSA Grounding Modules

## QSA-Plus Grounding Module for 44 wires 79101-533 00-NA



106

- Red/Gray

## QSA Grounding Modules

Product Number	Product Description	UPC
79101-533 00-NA	QSA-Plus grounding module for 44 wires	05111512430
79101-534 00-NA	QSA-Plus grounding module for 84 wires	05111512431
79101-516 00-NA	QSA-Plus grounding module for 38 wires	05111512428

# 3M QSA Connection Tool

## QSA-Plus Connection Tool 0,4-0,6 mm (0.016 - 0.024 in.) 79397-500 25-NA



107

## QSA Impact Tool 03-991-00900-NA



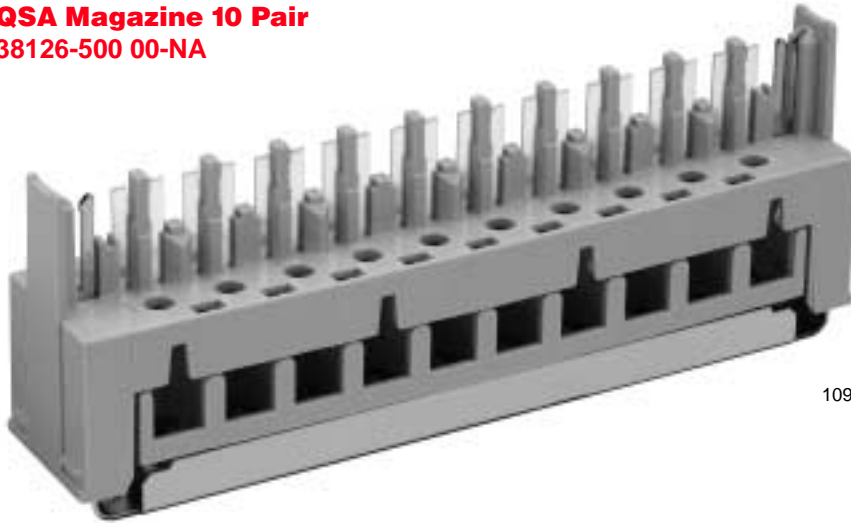
108

## QSA Connection Tool

Product Number	Description	Dimensions L x W x D mm (in.)	UPC
79397-500 25-NA	QSA-Plus connection tool	0,4-0,6 (0.016 - 0.024)	05111512425
03-991-01300-NA	QSA-Bit (only fits QSA impact tool)	–	05111512499
03-991-00900-NA	QSA impact tool	–	05111512497

# 3M™ QSA Protection Magazines

**QSA Magazine 10 Pair**  
**38126-500 00-NA**

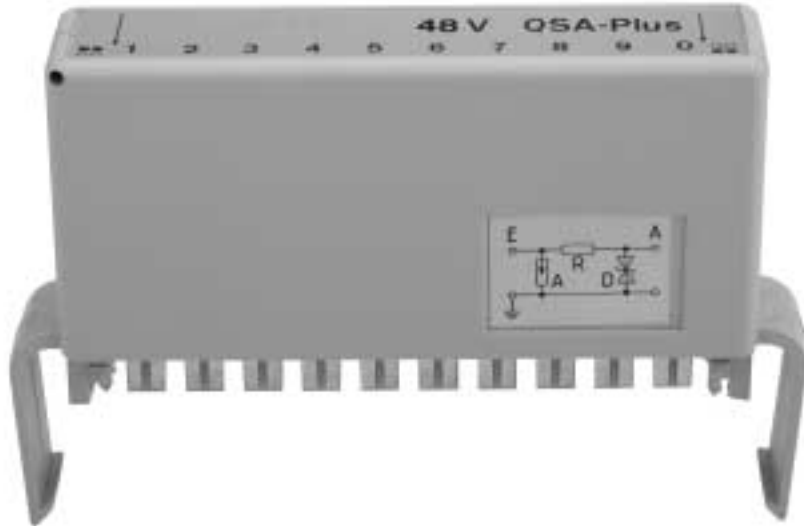


109

## QSA Magazines and Arresters

Product Number	Product Description	UPC
38126-500 00-NA	QSA magazine, 10 pair for 2-pole arrester, shape F	05111512451
39081-701 26-NA	QSA arrester shape F (8 x 20) 230V – 20 A / 20 kA	05111512452
38126-501 25-NA	QSA magazine, 10 pair for 2-pole arrester, shape G or H	05111512453
39081-730 00-NA	Arrester shape G (8 x 8) 230V – 20 A / 20 kA	05111512454
39081-727 00-NA	Arrester shape H (6 x 8) 230V – 20 A / 20 kA	05111512455
38126-502 00-NA	QSA magazine, 10 pair for 3-pole arrester	05111512456
39081-728 00-NA	3-pole arrester 230V – 10 A / 10 kA	05111512457
05-661-02600-NA	3-pole surge arrester integrated F/S 230V – 10 A / 10 kA	05111512458
05-661-02800-NA	3-pole arrester (6 x 8) 230V – 10 A / 10 kA	05111512459

# 3M™ QSA Protection Magazines



**QSA Protection Magazine,  
10 Pair, 48V  
38104-506 27-NA**

110

## QSA Protection Magazines

Product Number	Description	Operating Voltage	Sparkover Voltage	UPC
38104-506 31-NA	QSA protection magazine, 10-pair	5V	7.1V	05111512460
38104-506 25-NA	QSA protection magazine, 10-pair	12V	17V	05111512461
38104-506 35-NA	QSA protection magazine, 10-pair	18V	21V	05111512462
38104-506 00-NA	QSA protection magazine, 10-pair	24V	34V	05111512463
38104-506 27-NA	QSA protection magazine, 10-pair	48V	64V	05111512464
38104-506 26-NA	QSA protection magazine, 10-pair	60V	95V	05111512465
38104-506 32-NA	QSA protection magazine, 10-pair	120V	143V	05111512466
38104-506 30-NA	QSA protection magazine, 10-pair	160V	190V	05111512467