



QSA Series 1 connection modules for screw fixing



QSA connection module for 10 pair



QSA earthing module for 44 wires



QSA connection module for 20 pair



QSA earthing module for 84 wires

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

The QSA connection module consists of 20 / 40 **I**nsulation **D**isplacement **C**ontacts with connection facility. The IDC contacts are designed to be used with QSA / LSA-Plus® approved IDC insertion tools.

The connection modules for screw fixing are intended for use in small distribution units.

The fixing dimensions of the connection modules for 10 or 20 pairs (colour code: grey) are 96 or 170 mm according to DIN 47608 (part 1 and 2).

The QSA modules for screw fixing are available as 10 and 20 pair connection modules. They are capable of accepting conductor diameters from 0.4 to 0.8 mm.

The earth strips (colour: red) for 44 or 84 wires, a wide range of accessories and a comprehensive overvoltage protection complete the product family.

Features

- System with a pitch of 22.5 mm
- Conductor diameters from 0.4 – 0.8 mm
- Suitable for screw fixing in small distribution units

Benefits

- Fixing dimensions according to DIN 47608 (part 1 and 2)
- Wide range of accessories
- Overvoltage protection available
- Earth modules available

Specification

General product features

Contact principle	Resilient contact design with insulation displacement to DIN 41611 part 6.t
Capacity	10 / 20 pair
Type of circuit	Connection/disconnection
Materials	
Housing:	ABS, self extinguishing UL94 V-0
Colour:	Grey, RAL 7035
Contacts:	Special brass alloy, silver-plated
Minimum pitch	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)	> 200
0.8 mm (AWG 20)	> 50 (Rewiring only with conductor $\emptyset \geq 0.6$ mm possible)
Insertion tool	LSA-Plus insertion tool

Electrical features

Insulation resistance	$\geq 5 \times 10^4 \text{ M}\Omega @ 500 \text{ V (40 }^\circ\text{C, 93\% RH., DIN IEC 68, part 2-3)}$
Dielectric strength	$\geq 2000 \text{ VAC / 50 Hz / 60 s VDE 0472T.509}$
Nominal operating current	$\leq 5 \text{ A (EN 60947-7-1)}$
With stand test	$\geq 4.0 \text{ kV @ 1,2 / 50 } \mu\text{s (IEC 60-1)}$
Impulse discharge current	$\geq 10 \text{ kA @ 8 / 20 } \mu\text{s (IEC 60-1)}$
Contact transfer resistance	$\leq 1 \text{ m}\Omega$ (new condition)
Contact resistance	$\leq 10 \text{ m}\Omega$
Cross talk (EN 50173)	$> 70 \text{ dB @ 1 MHz}$ $> 53 \text{ dB @ 10 MHz}$ $> 48 \text{ dB @ 20 MHz}$ $> 34 \text{ dB @ 100 MHz}$
Transmission performance	Cat. 3
Temperature	
Operating temperature	$-40 \text{ }^\circ\text{C} - +80 \text{ }^\circ\text{C}$
Storage temperature	$-40 \text{ }^\circ\text{C} - +90 \text{ }^\circ\text{C}$

Ordering information

Ref. No.



QSA connection module for 10 pair
numbered 1.....0, colour code grey
Dimensions (L x W x D): 105 x 26 x 21.5 mm
Fastening distance: 96 mm
Use: For screw fixing in small distribution units

79101-517 00



QSA earthing module for 44 wires
Colour: red
Dimensions (L x W x D): 105 x 26 x 21.5 mm
Fastening distance: 96 mm
Use: For screw fixing in small distribution units

79101-533 00



QSA connection module for 20 pair
numbered 2 x 1.....0, colour code grey
Dimensions (L x W x D): 178 x 26 x 25.5 mm
Fastening distance: 170 mm
Use: For screw fixing in small distribution units

79101-518 00



QSA earthing module for 84 wires
Colour: red
Dimensions (L x W x D): 178 x 26 x 25.5 mm
Fastening distance: 170 mm
Use: For screw fixing in small distribution units

79101-534 00

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