

QSA Connection module and Disconnection module with 10 pairs



Corning QSA Connection module with 10 pairs

The 10-pair QSA Connection module (compatible with LSA-PLUS 2 modules) includes 20 IDC-contacts with test facility. The contacts are suitable for termination and are compatible with approved LSA-PLUS insertion tools.

A variety of back-mount frames that are compatible with LSA-PLUS modules are available for mounting purposes. The contacts establish a connection between the cable and jumper side. Test cords allow for testing of the contacts.



Corning QSA Disconnection module with 10 pairs

The 10-pair QSA Disconnection module (compatible with LSA-PLUS 2 modules) contains 20 IDC-contacts with disconnection facility. The contacts are suitable for termination and compatible with approved LSA-PLUS insertion tools.

A variety of back-mount frames that are compatible with the LSA-PLUS modules are available for mounting purposes. With the help of disconnection plugs, it is possible to electrically disconnect the cable from the jumper side. A 4-pole test cord enables divided testing on both ends.

Features	Benefits
System with a pitch of 22.5 mm	Wide range of accessories
Wire diameter from 0.4 - 0.8 mm	Overvoltage protection available
Back-mount frames are compatible with LSA-PLUS modules	

Specifications

Technical Characteristics

Contact principle	Resilient contact design with insulation displacement according to DIN 41611 - 6
Contact termination	Massive copper wires with diameter 0.4 – 0.8 mm (AWG 26-20) with an outer diameter of 0.7 – 1.6 mm (PE, foamed PE, PVC and PA). Flexible wires have to be tested individually.
Retermination	Resilient contact design guarantees high quantity of reterminations without influence on function and secures a tight connection.
Conductor range	0.4 – 0.65 (AWG 26-22) > 200 x 0.8 (AWG 20) > 50 x no retermination with < 0.65 (AWG 22) after 0.8 (AWG 20)

Materials

Housing	PBT, self-extinguishing UL94 V-0
Colour	Connection module: RAL 7035 (grey) Disconnection Module: RAL 9010 (white)
Contacts	Special brass alloy, silver-plated

Performance (typical values)

Contact resistance	< 10 mΩ
Insulation resistance	> 5 x 10 mΩ
Dielectric strength	> 2000 VAC / 50 Hz / 1 s (VDE 0472T.509)
With stand test	> 4,0 kV (IEC 60-1)
Nominal operating current	< 5 A
Impulse discharge current	10 kA (wave 8/20μs)
Cross Talk	At 1 MHz > 70 dB At 10 MHz > 55 dB At 20 MHz > 50 dB At 100 MHz > 35 dB
Storage temperature range	-40°C to +90°C
Working temperature range	-40°C to +80°C

Overvoltage protection magazine with 10 pairs 3-pole GDT

Thunderstorms and grid contacts cause surge damage of several hundreds of millions of dollars each year. Due to the progressive miniaturization of the components and the growing integration density, the damage frequency in the field of communication technology is steadily increasing!

The ideal place for protective measures is in distribution facilities. In such facilities a surge protector can reduce the overvoltage to an acceptable level. The most commonly used solutions are gas discharge tubes (GDT). Each pair is protected by a 3-pole surge arrester, which operates simultaneously on both poles.

The protection magazines are suitable for connection and disconnection modules. Overcurrents are dissipated through the back-mount frame. Spiking loads do not harm the arrester. Their life expectations are several decades, and they require no maintenance. Permanent loads, e.g., through grid contacts on power lines, are protected by fail-safe facilities which create a permanent connection between wire and ground.

It is important that the operating voltage of the protected system is lower than the nominal DC spark overvoltage of the gas arrester.

Product Properties

- Overvoltage protection component deployed in distribution facilities
- 3-pole gas arrester
- Occurring overcurrents are dissipated
- Simple mounting onto connection or disconnection module
- Decade-long, maintenance-free life expectations
- High level of safety through fail-safe facility






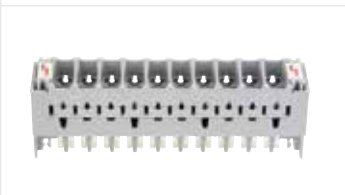


Specifications








Performance (typical values)	
Insulation resistance	More than 4 (5 x 10 ⁴) MΩ
Impulse current capability (8/20μs)	up to 10 kA (Connection Module) up to 5 kA (Disconnection Module)

Materials	
Housing	PBT, self-extinguishing UL94 V-0
Colour	Light grey
Contact	Special brass alloy, silver plated
Dimension (L x W x D) (OVP magazine)	112 x 22 x 43 mm

Ordering information

Corning Catalogue Number	Reference	Product Description	
QSA Products (Compatible with LSA-PLUS 2 modules)			
	DE620045638	10-550-00140	QSA Connection block (compatible with LSA-PLUS 2 modules) with 50 pairs (5 x 10 pairs connection modules) including mounting accessories
	DE620045646	10-600-00140	QSA Connection block (compatible with LSA-PLUS 2 modules) with 100 pairs (10 x 10 pairs connection modules) including mounting accessories
	DE620045679	79101-510 00	QSA Connection module (compatible with LSA-PLUS 2 modules) with 10 pairs; colour grey (RAL 7035)
	DE620045695	79101-511 00	QSA Connection module (compatible with LSA-PLUS 2 modules) with 10 pairs and colour coding; colour grey (RAL 7035)
	DE620045729	79103-510 00	QSA Disconnection module (compatible with LSA-PLUS 2 modules) with 10 pairs; colour white (RAL9010)
	DE620045745	79103-511 00	QSA Disconnection module (compatible with LSA-PLUS modules 2) with 10 pairs and colour coding; colour white (RAL9010)
	DE620012927	38126-502 40	QSA Overvoltage protection (compatible with LSA-PLUS 2 modules) magazine with 10 pairs and 3-pole gas arrester; mountable onto LSA-PLUS 2 connection and disconnection modules, Dimensions (L x W x H) 122 x 22 x 43 mm, 3-pole gas arrester with integrated fail-safe, 230 V
	DE620002597	79156-503 25	QSA Overvoltage protection (compatible with LSA-PLUS 2 modules) with 10 pairs, empty

Ordering information

Corning Catalogue Number	Reference	Product Description	
QSA Products (Compatible with LSA-PLUS 2 modules)			
	DE620045794	79101-516 00	QSA Earthing module (compatible with LSA-PLUS 2 modules) for 38 lines, colour red, connection cable red, 250 mm, with ring cable lug (4,5 mm \varnothing)
	DE620002597	79156-503 25	QSA Label holder for 10 pairs (compatible with LSA-PLUS 2 modules), 2 modules, mountable, hingeable with clear cover and label strip (neutral) 95 x 17 mm, Dimensions (L x W x H) 117 x 21 x 24 mm
	DE620002589	79156-501 00	QSA Label holder for 10 pairs (compatible with LSA-PLUS 2 modules), 2 modules, mountable with label strip (neutral) 95 x 17 mm, Dimensions (L x W x H) 117 x 21 x 24 mm
QSA 1 Products (Compatible with LSA-PLUS modules)			
	DE620041645	79101-517 00	QSA/DIN connection module (compatible with LSA-PLUS modules) with 10 pairs, colour grey, numbering 2 x 1 -0
	DE620041652	79101-518 00	QSA/DIN connection module (compatible with LSA-PLUS modules) with 20 pairs, colour grey, numbering 2 x 1 -0
	DE620027537	79156-505 00	QSA/DIN label holder (compatible with LSA-PLUS modules) 10 pairs modules, label plate 85 x 15 mm
	DE620012943	79156-506 00	QSA/DIN label holder (compatible with LSA-PLUS modules) for 20 pairs modules, label plate 160 x 15 mm

Ordering information

Corning Catalogue Number	Reference	Product Description	
Accessories compatible with LSA-PLUS and LSA-PLUS 2 modules			
	DE620012984	79397-500 27	QSA Insertion tool (compatible with LSA-PLUS modules) for insertion of wires, dimensions (L X W x H) 176 x37 x 21 mm for line-Ø 0.4 - 0.8 mm
	DE620001664	79054-501 00	Test cord (compatible with LSA-PLUS modules), 2-poles with banana plugs
	DE620001672	79054-524 00	Test cord (compatible with LSA-PLUS modules), 4-poles with banana plugs
	DE620002274	79122-500 00	Disconnection plug (compatible with LSA-PLUS modules) for 1 pair, red

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