



QSA IDC-Connection system for small to medium-sized distribution equipment

Systems QSA

Sold-, screw-, stripping free ID-Connection

Description

QSA Series ①

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

The earthing strips (colour: red) for 44 or 84 wires complete the product range.



QSA ① connection module 10 pair

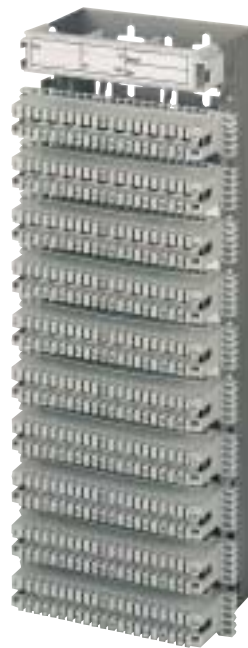


QSA ① connection module 20 pair

QSA Series ②

Connection and disconnection modules for mounting on back mount frames. The following types of modules are available:

- 10 pairs connection modules (colour: grey) for overvoltage protection magazines.
- 10 pairs disconnection modules (colour: white) for overvoltage and fine protection.
- Earthing modules (colour: red) for 38 wires.



QSA ② connection modules 100 pair distribution block

Technical Data





QSA ①

QSA ②

Connection modules:	•	•
Disconnection modules:	—	•
Earthing modules:	•	•
10 pair modules:	•	•
20 pair modules:	•	—
Wire diameter in mm:	0,40 - 0,80	0,40 - 0,80
Overall diameter in mm (over insulation):	0,70 - 1,50	0,70 - 1,50
Number of reterminations: $\leq 0,65$ wire- \varnothing	> 50 x	> 50 x
Number of reterminations: $0,8$ wire- \varnothing^*	≤ 50 x	≤ 50 x
Contact material: special brass	•	•
Contact surface: 3 - 5 μ m Silver	•	•
Housing material: PBT	•	•
Flame protection: UL 94 V0	•	•
Insulation resistance: $5 \times 10^4 M\Omega$	•	•
Volume resistance: $< 10 m\Omega$	•	•
Dielectric strength: 2kV _{eff} /50Hz	•	•








System QSA ①

DIN 47608 for mounting in distribution boxes

Design/Use	Type/Order text	Quante No.
<p>Form A</p>  <p>Dimensions (L x W x D): 105 x 26 x 21.5 mm Mounting dimension: 96 mm</p>	<p>Colour: grey, Numbered 1 - 0</p> <p>QSA ① connection strip for 10 pairs</p>	<p>79101-517 40</p>
	<p>Colour: red</p> <p>QSA ① earthing strip for 44 wires</p>	<p>79101-533 40</p>
<p>Form B</p>  <p>Dimensions (L x W x D): 178 x 26 x 25.5 mm Mounting dimension: 170 mm</p>	<p>Colour: grey, Numbered 2 x 1 - 0</p> <p>QSA ① connection strip for 20 pairs</p>	<p>79101-518 40</p>
	<p>Colour: red</p> <p>QSA ① earthing strip for 84 wires</p>	<p>79101-534 40</p>
Accessories	Type/Order text	Quante No.
	<p>Marking surface: 85 x 15 mm</p> <p>Labelling frame for QSA ① connection strip 10 pairs</p>	<p>79156-505 40</p>
	<p>Marking surface: 160 x 15 mm</p> <p>for QSA ① connection strip 20 pairs</p>	<p>79156-506 40</p>
	<p>2 poles, with jacks for banana plugs, length: 0.2 m (without figure)</p> <p>Test cord for QSA ① connection strip</p>	<p>79054-555 40</p>

System QSA ②

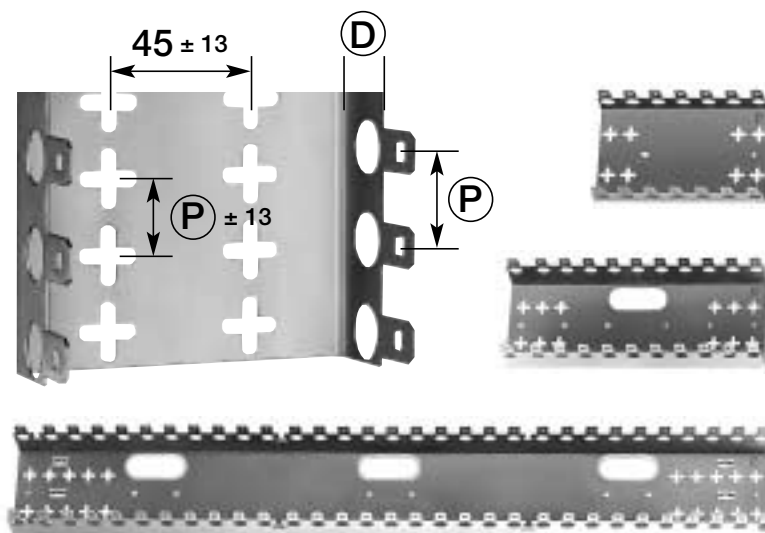
for mounting on backmount frames

Design/Use		Type/Order text	Quante No.
	Colour: grey, Numbered 1 - 0, Dimensions (LxWxD): 123 x 18 x 39 mm	QSA ② connection module 10 pairs standard	79101-510 40
	Colour: white, Numbered 1 - 0, Dimensions (LxWxD): 123 x 18 x 39 mm	QSA ② disconnection module 10 pairs standard	79103-510 40
	Colour: red, Connection cable *, Dimensions (LxWxD): 123 x 18 x 39 mm	QSA ② earthing module for 38 wires	79101-516 40
	With clear cover and marking strip (neutral) 95 x 17 mm, Dimensions (LxWxD): 108 x 21 x 24 mm	Labelling frame for QSA ②	79156-501 00
	Plug-in, hinged, with clear cover, with marking strip (neutral) 103 x 11 mm, Dimensions (LxWxD): 110 x 17 x 8 mm	Labelling frame for QSA ② connection module 10 pairs	79156-503 40
	White, neutral, for labelling frame 79156-503 25 (without figure)	Label	79170-507 40
	For connecting of the wires, Dimensions (LxWxD): 176 x 37 x 21 mm	QSA tool	
	For wire diameter:	0,8 mm	79397-500 40

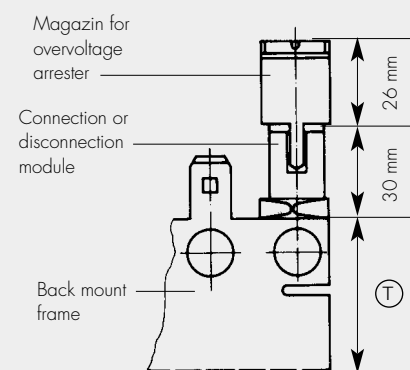
System QSA ②

Back mount frames

Pitch (P)	Depth (D)	LH*	Dimensions (L x W x D)	Version	Quante No.
QSA back mount frame					
25 mm	22 mm		45 x 105 x 42 mm	for 2 modules	79151-533 40
			70 x 105 x 42 mm	for 3 modules	79151-534 40
			170 x 105 x 42 mm	for 7 modules	79151-536 40
27.5 mm	22 mm		111 x 105 x 42 mm	for 4 modules	79151-502 40
		LH*	358,8 x 105 x 42 mm	for 13 modules	79151-505 40
30 mm	30 mm		156. x 105 x 50 mm	for 6 modules	79151-506 40
		LH*	246 x 105 x 50 mm	for 9 modules	79151-507 40
		LH*	268,5 x 105 x 50 mm	for 10 modules	79151-508 40
		LH*	291 x 105 x 50 mm	for 11 modules	79151-509 40
		LH*	358,5 x 105 x 50 mm	for 13 modules	79151-510 40
49 mm	49 mm	LH*	300 x 105 x 69 mm	for 1 x 10 + 1 module	79151-511 65
		LH*	580 x 105 x 69 mm	for 2 x 10 + 1 module	79151-512 65
		LH*	860 x 105 x 69 mm	for 3 x 10 + 1 module	79151-513 65
		LH*	1575 x 105 x 69 mm	for 55 + 1 module	79151-550 40
22.5 mm	49 mm	LH*	253 x 105 x 69 mm	for 1 x 10 + 1 module	79151-511 40
		LH*	486 x 105 x 69 mm	for 2 x 10 + 1 module	79151-512 40
		LH*	719 x 105 x 69 mm	for 3 x 10 + 1 module	79151-513 40



Dimension scheme of overall heights



Additional component

For lateral wire guiding on backmount frames
d = 11 mm

Cable protecting sleeves

79027-501 00

System QSA ②

Connection and disconnection cable terminal blocks (EVs 80 / TrEVs 80)

Description	Standard Equipment
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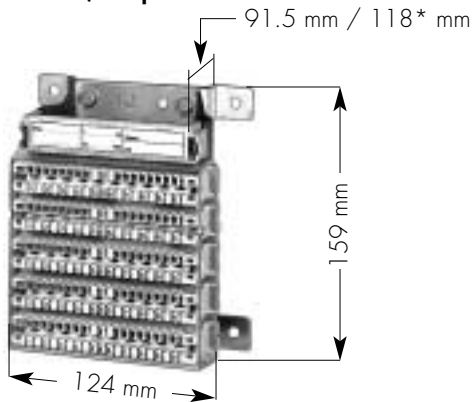
Design:

- EVs 80, fitted with QSA connection modules 10 pairs.
 - TrEVs 80, fitted with QSA disconnection modules 10 pairs.
- Modular units of 50 pairs and 100 pairs each.

- Backmount frames (stainless steel);
 Fitted with:
 5 or 10 connection or disconnection modules for each 10 pairs,
 Numbered 1 - 0;
 With cable colour code;
 1 dust cover,
 flat version for 100 pairs, high version for 50 pairs,;
 1 labelling frame;
 1 plug-in number set;
 2 edge protection;
 1 fixing set for mounting in KVz.

Design/Use	Type/Order text	Quante No.
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EVs 80 / 50 pairs



with 5 connection modules 10 pairs, with colour code

**EVs 80
50 pairs**

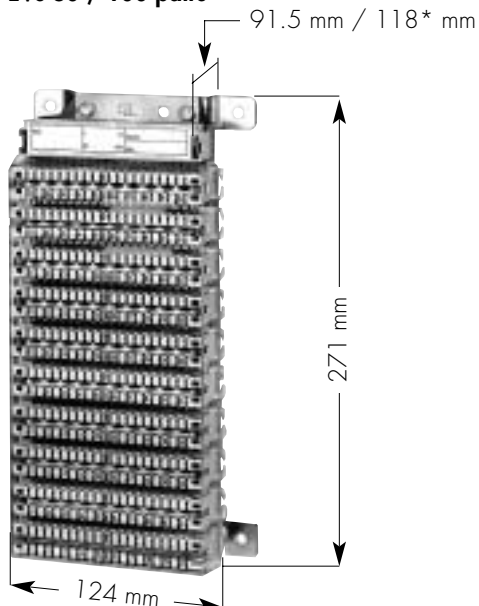
10-550-00140

with 5 disconnection modules 10 pairs, with colour code

**TrEVs 80
50 pairs**

15-450-00140

EVs 80 / 100 pairs



with 10 connection modules 10 pairs, with colour code

**EVs 80
100 pairs**

10-600-00140

with 10 disconnection modules 10 pairs, with colour code

**TrEVs 80
100 pairs**

15-500-00140

System QSA ②

Accessories system and overvoltage protection system for 10 pairs

Design/Use

Type/Order text

Quante No.



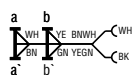
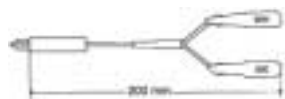
Circuit:



With connection contacts, solderable
disconnected contacts, solderable

Test plug kit
2 poles
4 poles

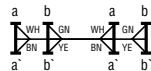
79096-500 40
79096-501 40



With jack for banana plug
With 2 jacks for banana plug
With 4 jacks for banana plug

Test cord
1 pole
2 poles
4 poles

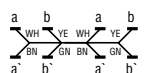
79054-500 40
79054-501 40
79054-524 40



With 2 connection plugs

Connection cord
2 poles, Length: 1 m
2 poles, Length: 2 m
2 poles, Length: 4 m

79054-502 40
79054-502 66
79054-502 68



With 2 plugs with disconnected contacts

4 poles, Length: 1 m
4 poles, Length: 2 m
4 poles, Length: 4 m

79054-504 40
79054-504 66
79054-504 68



For disconnection of lines

Disconnection plug for 1 pair

red **79122-500 40**
white **79122-500 65**
green **79122-500 66**
yellow **79122-500 67**
black **79122-500 69**
brown **79122-500 70**
blue **79122-500 71**



For disconnection of lines

Disconnection plug for 10 pair

79122-505 40



Prevents the disconnection of important lines

Dummy plug for 1 pair

79072-500 40



For marking of special lines

Marker caps for 1 pair

red **79004-500 40**
yellow **79004-500 65**
green **79004-500 67**
black **79004-500 69**
brown **79004-500 70**
blue **79004-500 71**

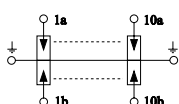


For arrester shape 3pole, insertion on connection and disconnection modules,
Dimension (L x W x D):
112 x 22 x 43 mm

Magazine 10 pair for 3 pole arrester

38126-502 40

Circuit:



3 pole arrester
230 V - 10 A/10 kA

39081-728 00



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