

SRE 160 and 320 Connectors SRX 175 and 350 Connectors Assembly Sheet

Installation of contacts and connector by a qualified electrician in accordance with national and local electrical codes and the following instruction only. Crimp contact to the cables according to the equipment manufacture's assembly instructions. The following instructions serve as a reference. Please find detailed information on www.rema-bonn.de

Assembly

1. Strip wire

- a) Select correct dimension from table 1
- b) Do not cut into cable strands

2. Crimp the contact to cable

- a) Select contact from table 1. If reducing bushings are used, refer to reduced current rating according to table 1.
- b) Use REMA recommended tools only
- c) Attention: Ensure contact plane remains unchanged after crimping otherwise misalignment will occur, resulting in possible contact overheating
- d) If contacts are soldered: **i.** Do not dip contacts in a solder pot. The use of multicore solder is recommended. Take care to avoid flux/solder creeping behind the cable insulation due to capillary action.

3. Insert the wired contact into the rear of the housing according picture 1

- a) Make sure that the smooth contour of the contact is upwards so that the contact underside moves over the housing spring (picture 3) and is retained with an audible click.
- b) To check engagement, pull gently on the cable to make sure contact is correctly locked over the housing spring

Disassembly

1. Switch off power.

2. Remove contact by pressing the spring at the front of the connector with a small insulated screwdriver. Simultaneous while pressing the spring, pull gently on the cable to remove the contact from the housing



SAFETY NOTE

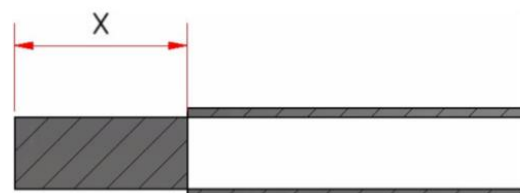
Lay the cables free of tension!
In torsional and / or tensile forces in the cable using the cable clamp REMA SRE / SRX is recommended (Item No. 78000-00)



Appendix

Rating	Series	Contact	Wire Size AWG or mm ²	Current (A)	Voltage (V)	„X“ in mm accord. pic. 1	„X“ in inches accord. pic. 1
USR / CNR	SRE 160	Cat. No. 7828400	16 mm ²	160	150	20	0,78
USR / CNR	SRE 160	Cat. No. 7828200	25 mm ²	160	150	20	0,78
USR / CNR	SRE 160	Cat. No. 7828300	35 mm ²	160	150	20	0,78
USR / CNR	SRE 160	Cat. No. 7828100	50mm ²	160	150	20	0,78
USR / CNR	SRX 175	Cat. No. 7828000	1/0 AWG	175	150	26	1,02
USR	SRE 320	Cat. No. 7828600	35 mm ²	244	150	20	0,78
USR	SRE 320	Cat. No. 7795100	50 mm ²	244	150	20	0,78
USR	SRE 320	Cat. No. 7828500	70 mm ²	320	150	20	0,78
USR	SRE 320	Cat. No. 7828700	95 mm ²	320	150	24	0,94
USR	SRX 350	Cat. No. 7828505	2/0 AWG	350	150	31	1,22

Table 1. Overview USR indicates investigation to United States Standards, UL 1977, first Edition. CNR indicates investigation to Canadian National Standards, C22.2 No. 182. 3M-1987 Stripping length

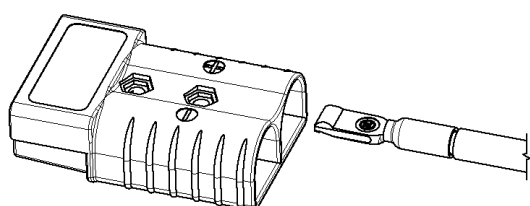


Picture 1. Stripping length

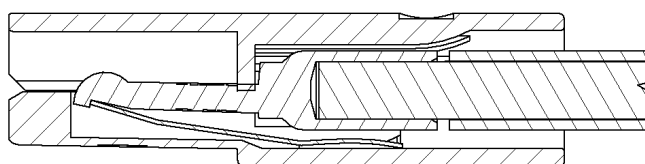
Series	Catalogue No. for contacts	Wire Size	Type	Catalogue No. for installation tooling (Die Set No.)	
				Hydraulic No. 5700300	Mechanical No. 5580000
SRE 160	7828400	16 mm ²	WMS-1H	5586222	5586322
SRE 160	7828200	25 mm ²	WMS-2H	5586223	5586323
SRE 160	7828300	35 mm ²	WMS-3H	5586224	5586324
SRE 160	7828100	50 mm ²	WMS-4H	5586225	5586325
SRX 175	7828000	1/0 AWG	WMS-3H	5586224	5586324
SRE 320	7828600	35 mm ²	WMS-3H	5586224	5586324
SRE 320	7795100	50 mm ²	WMS-4H	5586225	5586325
SRE 320	7828500	70 mm ²	WMS-5H	5586219	5586319
SRE 320	7828700	95 mm ²	WMS-6H	5586228	5586328
SRX 350	7828505	2/0 AWG	WMS-9H	5586226	5586326

Table 2. Tools, Die Sets

* Reducing Bushing on request



Picture 2. Assembly of wired contact into housing



Picture 3. Installed contact into housing