

Topic: Assembly of the connecting wires

This information describes the assembly of connecting wires with wire-end ferrules.

Problem, reason

Non-safe connection at PUSH-IN terminal strips

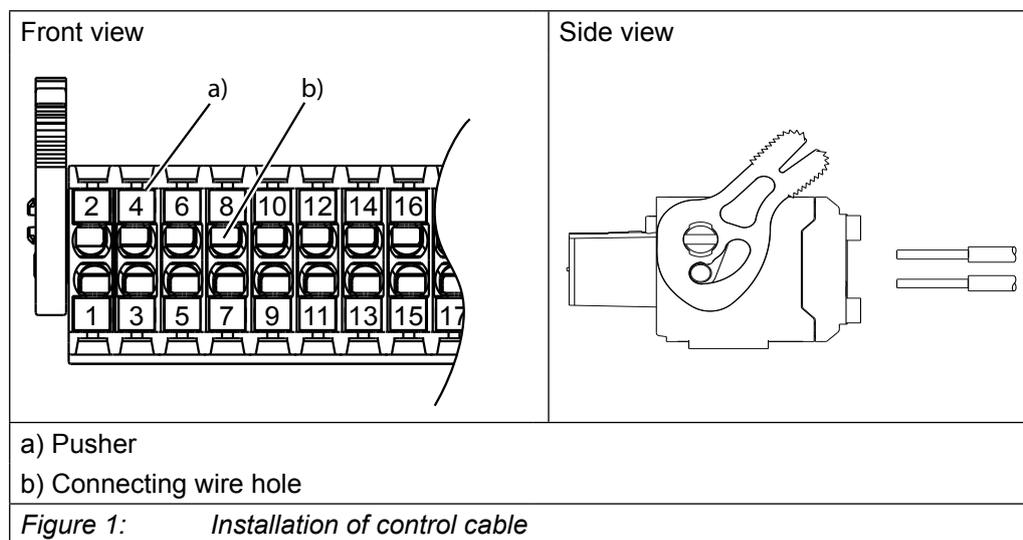
The integrated PUSH-IN technology allows installation without tools. The respective core can be inserted or pulled out by pressing the pusher.

Preparation of the connecting wires

Assembly of connecting wires with wire-end ferrules according to DIN46228/4			Assembly of connecting wires without wire-end ferrules	
Cross-section	Metal sleeve length	Stripping length	Cross-section	Stripping length
0.50 mm ²	10 mm	12 mm	0.14...1.5 mm ²	10 mm
0.75 mm ²	12 mm	14 mm		
1.00 mm ²	12 mm	15 mm		

Assembly of the connecting wires

- ▶ Press pusher by hand.
- ▶ Insert connecting wires into the respective hole, that no single wires can be seen from the outside or bend outward.
- ▶ A first resistance must be overcome when inserting.
- ▶ Release the pusher.
- ▶ Check that the connecting wire is fixed and can not be pulled-out.
- ▶ It is important to ensure that the connecting wire and not the insulation is clamped.
- ▶ The connecting wire can also be inserted without pressing the pusher for cross-sections upto 1.00 mm².



NOTICE

A safe clamping can not be guaranteed when using shorter wire-end ferrules.



KEB generally recommends the use of wire-end ferrules in industrial environments.