
2-8pos. MCON 1.2 – LL Connector, Sealed with SWS

TABLE OF CONTENTS

1 GENERAL

- 1.1 PURPOSE
- 1.2 CUSTOMER DRAWINGS
- 1.3 DELIVERY CONDITION
 - 1.3.1 CONNECTORS WITHOUT CPA
 - 1.3.2 CONNECTORS WITH CPA
 - 1.3.3 TERMINALS
 - 1.3.4 CONNECTORS ARE BULK PACKAGED
 - 1.3.5 DUE TO BULK PACKAGING, IT IS POSSIBLE FOR THE RETAINER TO SHIFT DURING TRANSPORTATION
 - 1.3.6 SHOULD THIS OCCUR, SHIFT RETAINER TO PRE-LOCK POSITION AS DIMENSIONED ON TE CUSTOMER DRAWING PRIOR TO TERMINAL LOADING (Ref dim 2mm)

2 CONNECTOR 2 TO 8POS, MCON 1.2 WITH SWS

- 2.1 ASSEMBLY OF THE CONNECTORS (VALID FOR ALL PIN COUNT VERSIONS)
- 2.2 TERMINAL INSERTION INSTRUCTIONS
- 2.3 APPLICABLE WIRES
- 2.4 RETAINER ENGAGE INSTRUCTIONS
- 2.5 RETAINER DISENGAGE INSTRUCTIONS
- 2.6 TERMINAL REMOVAL INSTRUCTIONS

3 MATING AND UNMATING OF THE CONNECTORS

- 3.1 MATING WITH CPA
- 3.2 UNMATING WITH CPA
- 3.3 MATING WITHOUT CPA
- 3.4 UNMATING WITHOUT CPA

4. DOCUMENT CHANGE HISTORY

1 GENERAL

1.1 PURPOSE

THIS SPECIFICATION DESCRIBES HOW TO HANDLE THE COMPONENTS OF THE CONNECTORS 2- TO 8 POS., MCON 1.2 WITH SWS (Single Wire Seal)

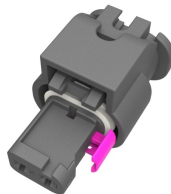
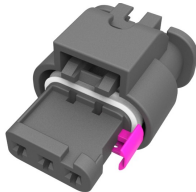
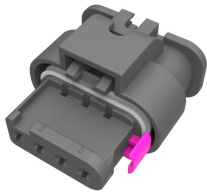
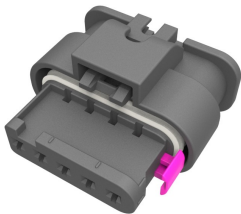
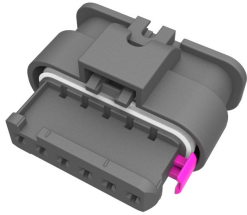
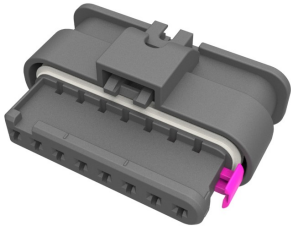
1.2 CUSTOMER DRAWINGS

THIS APPLICATION SPECIFICATION IS BASED ON THE LATEST VALID CUSTOMER DRAWINGS.

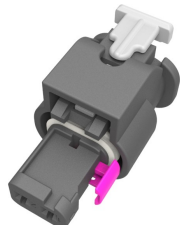
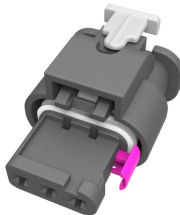
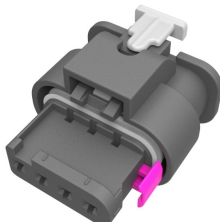
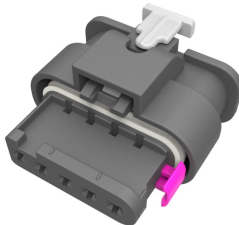
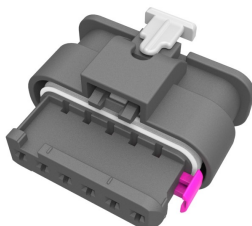
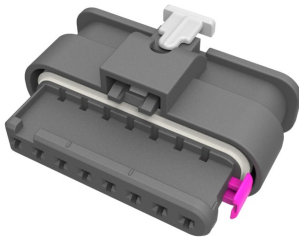
INTERFACE SPECIFICATION:
SEE TYCO ELECTRONICS FRAME SPECIFICATION: **114-18679-3**

1.3 DELIVERY CONDITION

1.3.1 CONNECTORS WITHOUT CPA

2pos. MCON 1.2 – LL Connector	
3pos. MCON 1.2 – LL Connector	
4pos. MCON 1.2 – LL Connector	
5pos. MCON 1.2 – LL Connector	
6pos. MCON 1.2 – LL Connector	
8pos. MCON 1.2 – LL Connector	

1.3.2 CONNECTORS WITH CPA

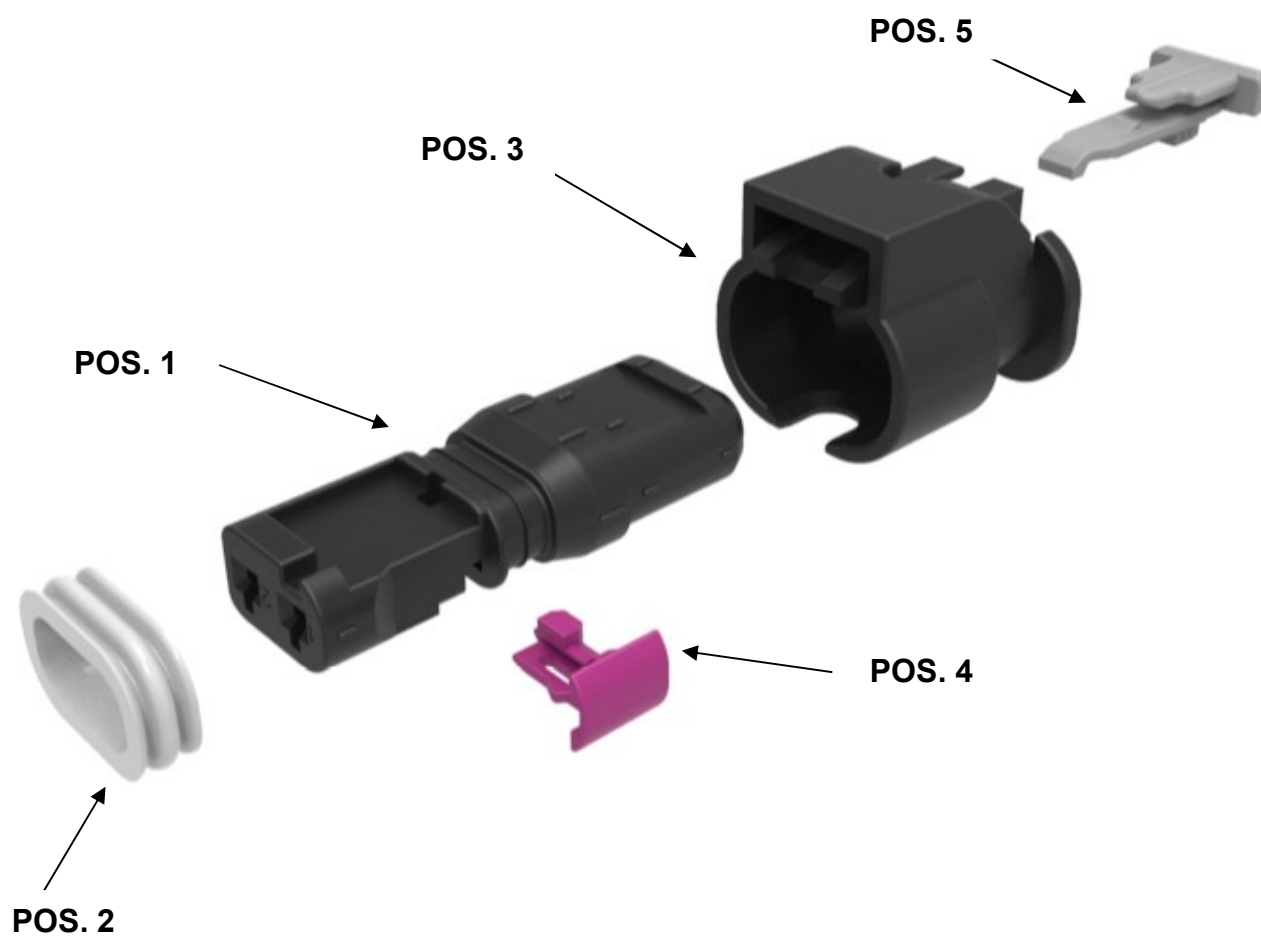
2pos. MCON 1.2 – LL Connector	
3pos. MCON 1.2 – LL Connector	
4pos. MCON 1.2 – LL Connector	
5pos. MCON 1.2 – LL Connector	
6pos. MCON 1.2 – LL Connector	
8pos. MCON 1.2 – LL Connector	

1.3.3 TERMINALS

MCON 1.2 – LL Terminals	CUSTOMER DRAWING 1452674 APPLICATION SPEC. 114-18464 PRODUCT SPEC. 108-18782	 A 3D rendering of an MCON 1.2 – LL terminal. It features a green plastic housing with a black cable attached to the top. The terminal body is silver-colored metal with a copper-colored contact point at the bottom.
-------------------------	--	---

2 CONNECTOR 2 TO 8POS, MCON 1.2. WITH SWS

2.1 ASSEMBLY OF THE CONNECTORS (VALID FOR ALL PIN COUNT VERSIONS)



POS. 1: Receptacle Housing

POS. 2: Peripheral Seal

POS. 3: Protection Cover

POS. 4: Retainer

POS. 5: CPA

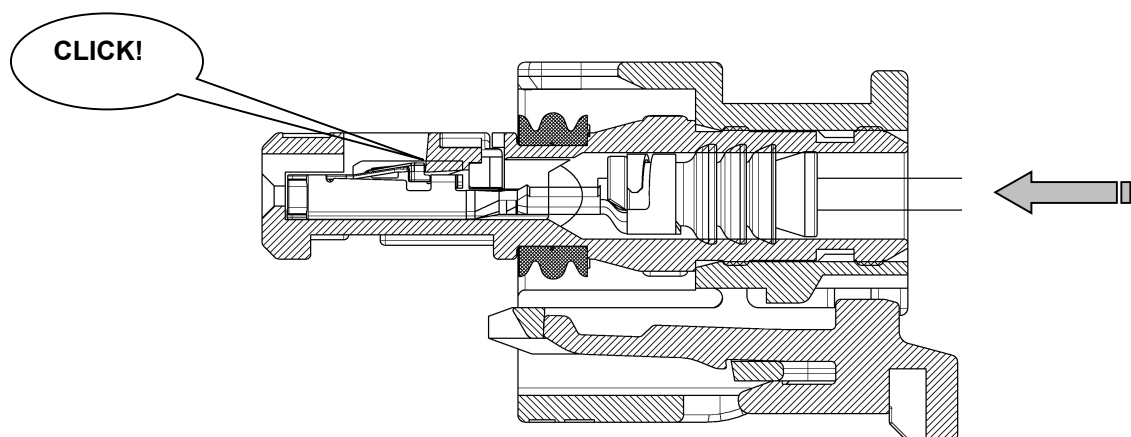
2.2 TERMINAL INSERTION INSTRUCTIONS

INSERTION DIRECTION

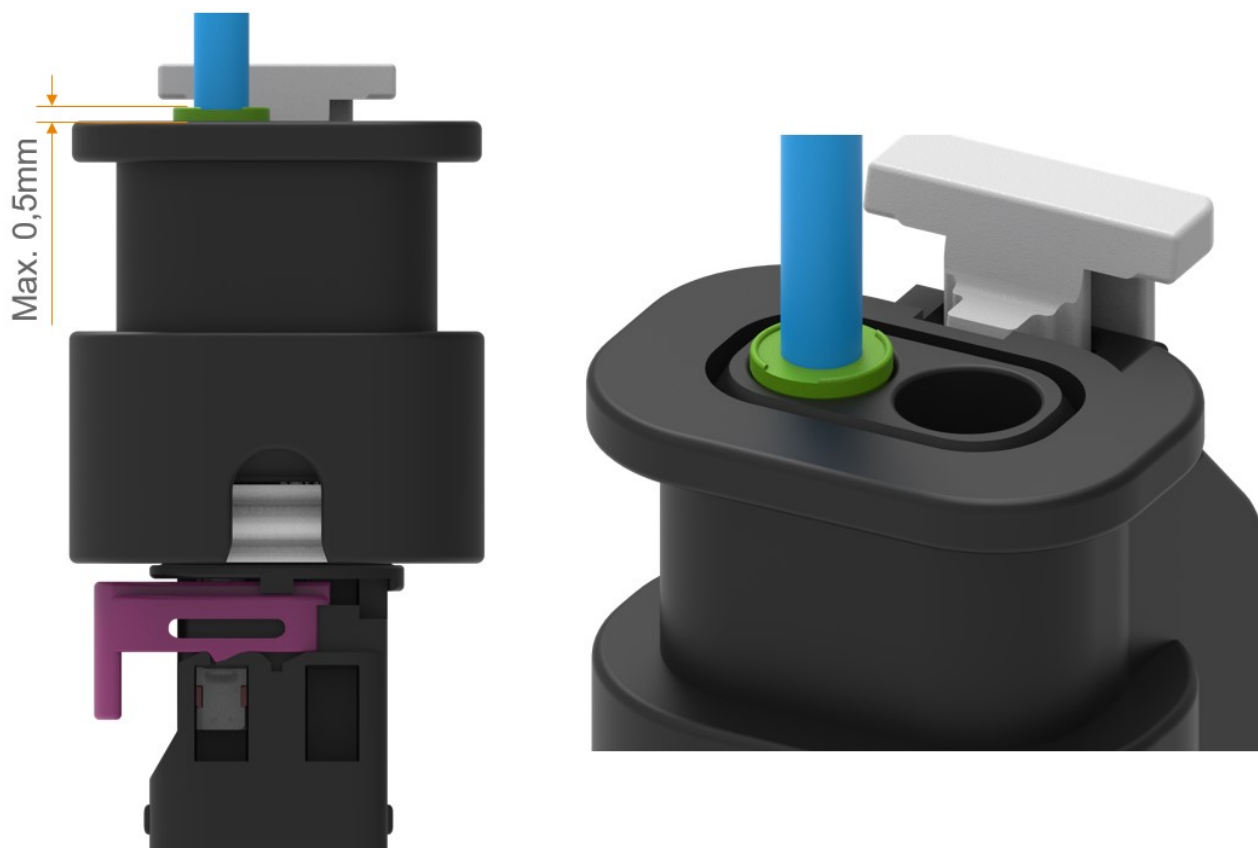
ORIENTATION FEATURE OF THE TERMINAL.



INSERT TERMINAL UNTIL AN AUDIBLE CLICK IS HEARD OR THE LOCK IS FELT



IN CASE OF 1mm² CABLE WITH 180° CABLE EXIT, SWS PROTRUSION DURING TERMINAL INSERTION OF **MAX. 0.5mm** IS ALLOWED. THIS IS ALLOWED FOR THE SEAL COLLAR ONLY. THE SEALING LIPS MUST REMAIN IN THE CONTACT CAVITY AT ALL TIMES.



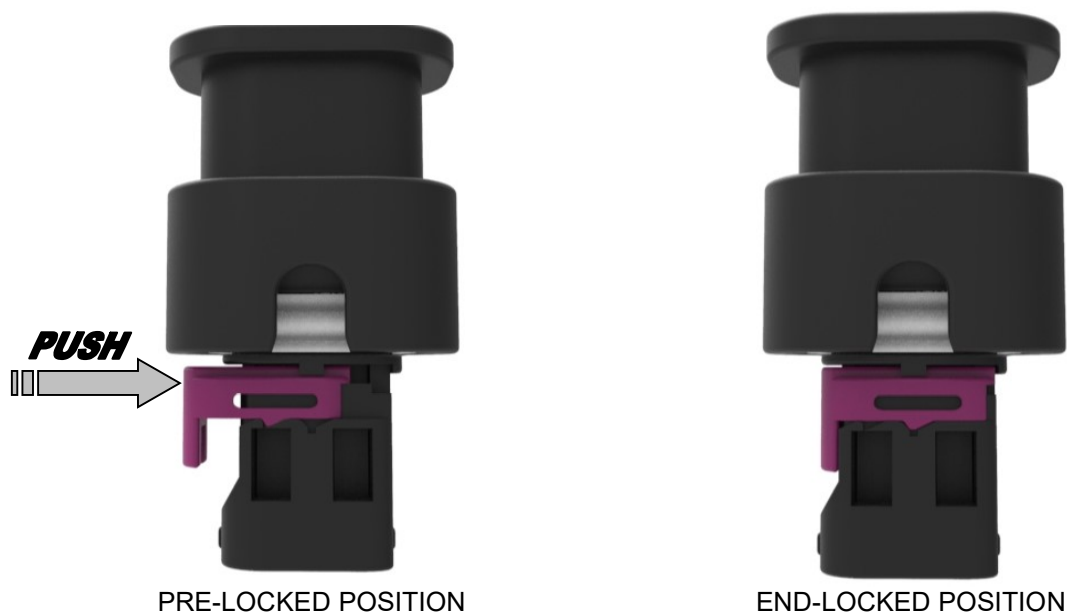
2.3 APPLICABLE WIRES

SEE ALSO THE CUSTOMER DRAWINGS **1452674**

Accessories							
Wire			Part numbers				
Type (DIN 76772)	Ø	mm ²	MCON 1.2 LL	Single wire seal		Blind plug PN / Color	
FLR & ACW	1.2-1.4	0.35	7-1452665-3	Yellow	967067-2	967056-1	Blue
	1.4-1.6	0.50	7-1452668-3	Green	967067-1		
	1.7-1.9	0.75	7-1452668-3	Green	967067-1		
	1.9-2.1	1.00	7-1452671-3	Green	967067-1		
	2.2-2.4	1,50	7-1452671-3	Green	2287497-1		

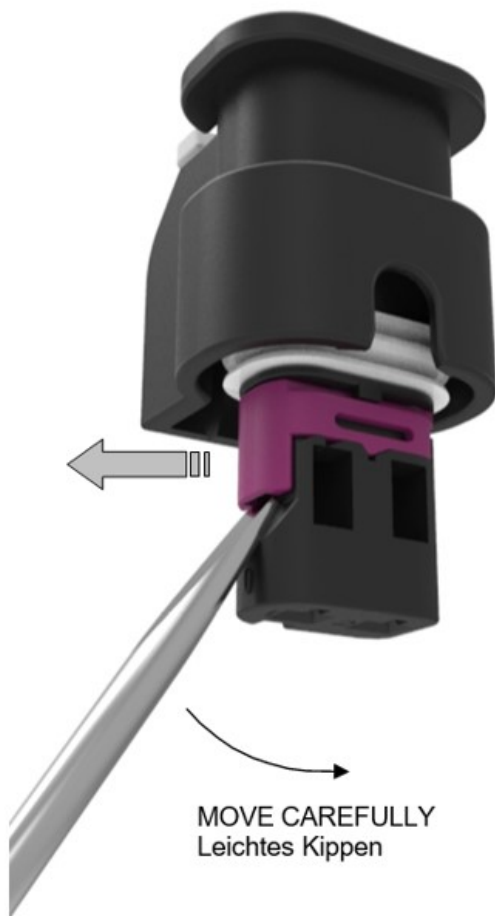
2.4 RETAINER ENGAGE INSTRUCTIONS

INSERTION OF THE RETAINER TO END-LOCKED POSITION



2.5 RETAINER DISENGAGE INSTRUCTIONS

PLACE THE EXTRACTION TOOL (E.G. SCREWDRIVER) IN THE SHOWN PLACE TO DISENGAGE THE RETAINER.



MOVE CAREFULLY
Leichtes Kippen

RETAINER ONLY TO MOVE TO THE PRE-LOCKED POSITION



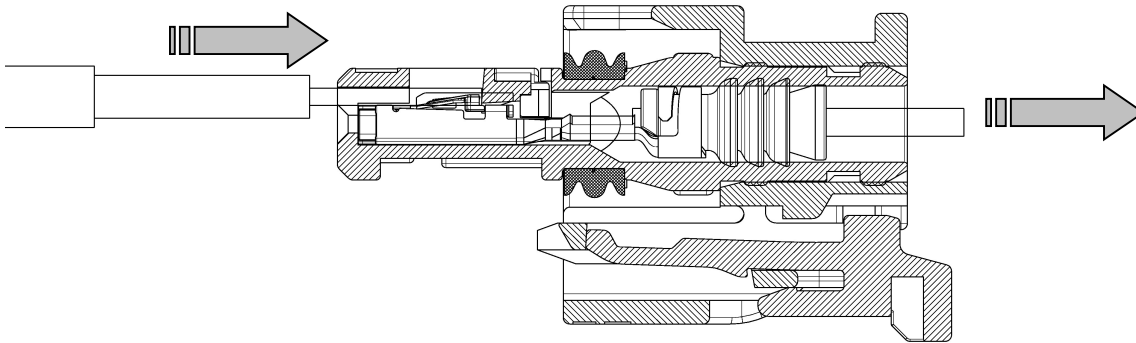
END-LOCKED POSITION
Endrastposition



PRE-LOCKED POSITION
Vorrastposition

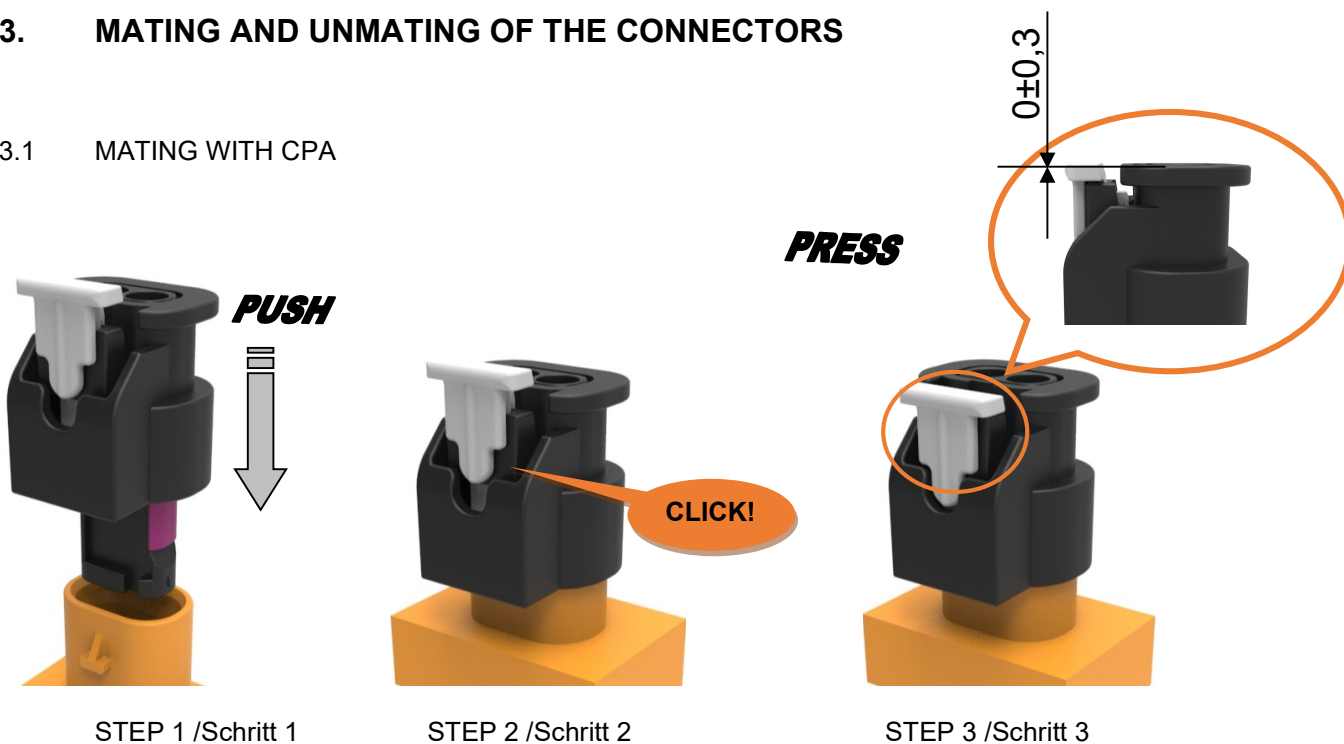
2.6 TERMINAL REMOVAL INSTRUCTIONS

INSERT THE EXTRACTION TOOL (TYCO-PN: 5-1579007-3) TO LOCKING HOOK. THE TERMINALS CAN BE REMOVED BY PULLING THE CABLE AND SIMULTAENEOUSLY BENDING THE LOCKING HOOK

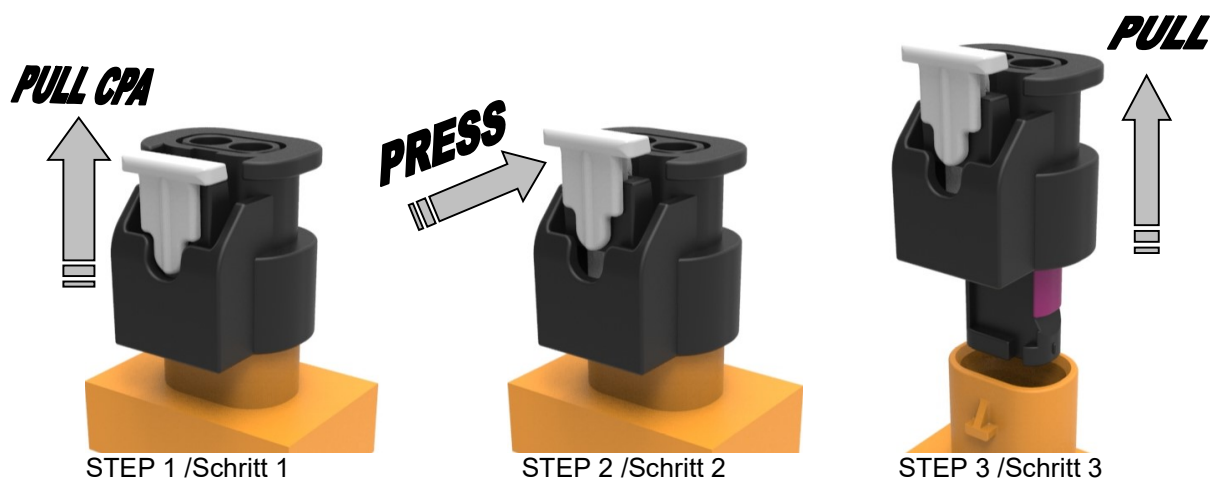


3. MATING AND UNMATING OF THE CONNECTORS

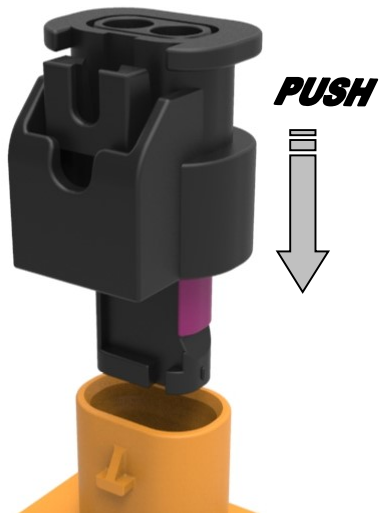
3.1 MATING WITH CPA



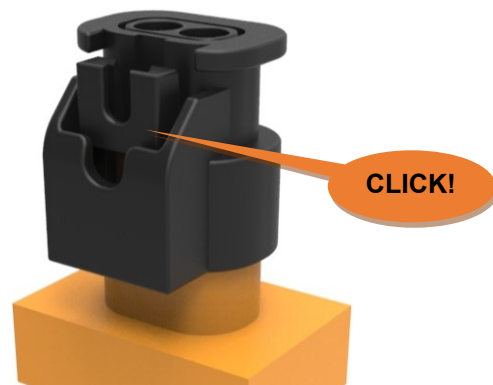
3.2 UNMATING WITH CPA



3.3 MATING WITHOUT CPA

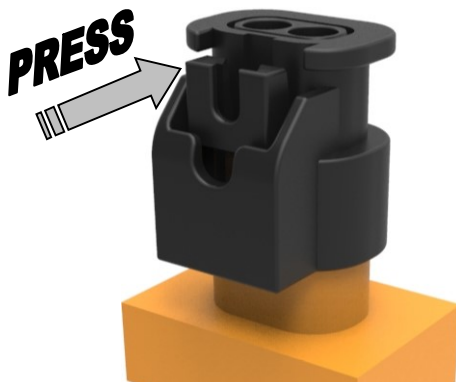


STEP 1

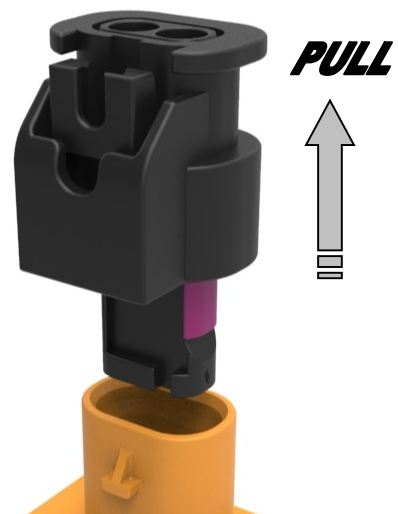


STEP 2

3.4 UNMATING WITHOUT CPA



STEP 1



STEP 2

DOCUMENT CHANGE HISTORY

CHANGE HISTORY	NAME	DATE	REV	CHANGE
	-	18SEP2007	A	Initial document
	Sz. Nemes	11AUG2013	A1	Point 1.3.3 - 1.3.6 added
	Sz. Nemes	26SEP2019	A2	Cosmetical update Wire insulation info added for 1,5mm ² cable
	Sz. Nemes	13DEC2023	A3	Information on SWS protrusion added