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

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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)

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3.1 MATING WITH CPA

3.2 UNMATING WITH CPA

3.3 MATING WITHOUT CPA

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4. DOCUMENT CHANGE HISTORY

*Trademark
| Indicates change

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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)

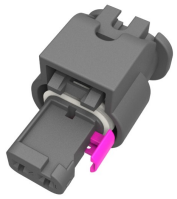
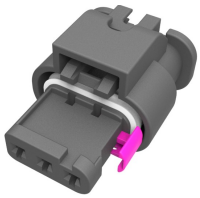
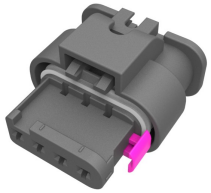
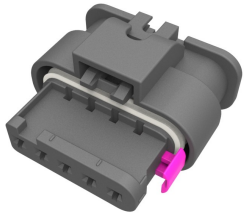
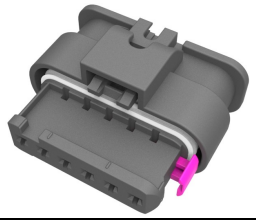
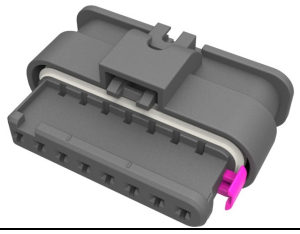
1.2 CUSTOMER DRAWINGS

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

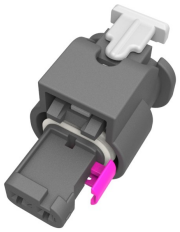
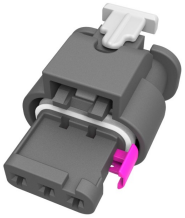
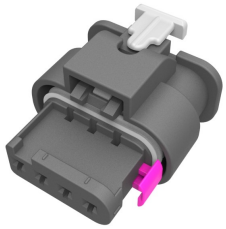
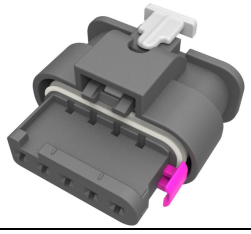
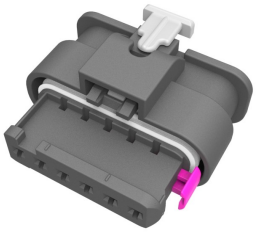
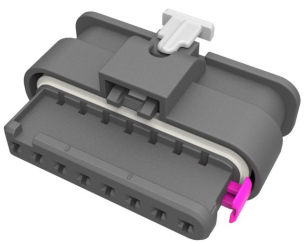
INTERFACE SPECIFICATION:
SEE TYCO ELECTRONICS FRAME SPECIFICATION: **114-18679-3**

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

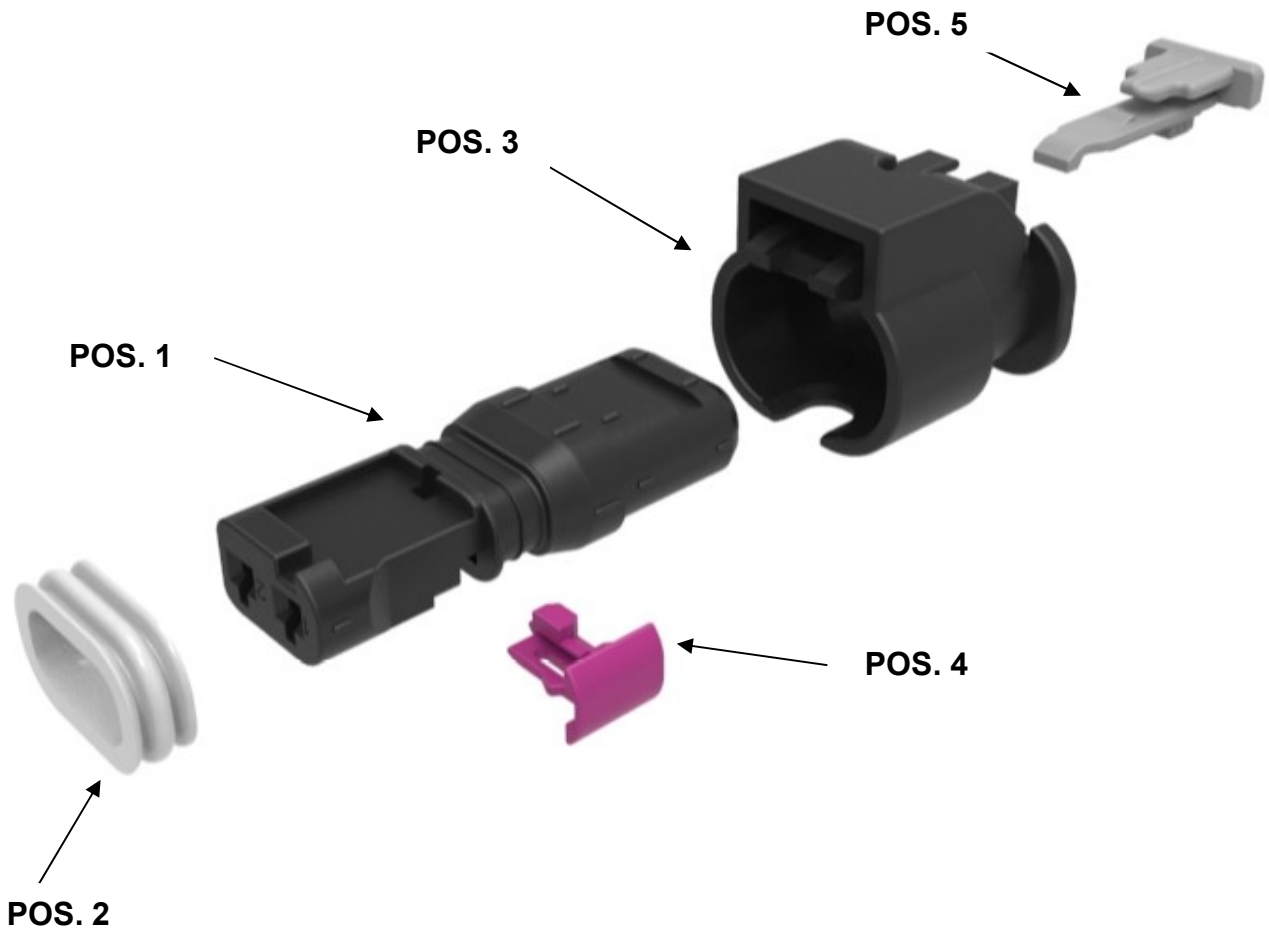
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3pos. MCON 1.2 – LL Connector	
4pos. MCON 1.2 – LL Connector	
5pos. MCON 1.2 – LL Connector	
6pos. MCON 1.2 – LL Connector	
8pos. MCON 1.2 – LL Connector	

1.3.3 TERMINALS

MCON 1.2 – LL Terminals	CUSTOMER DRAWING **1452674** APPLICATION SPEC. **114-18464** PRODUCT SPEC. **108-18782**	

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

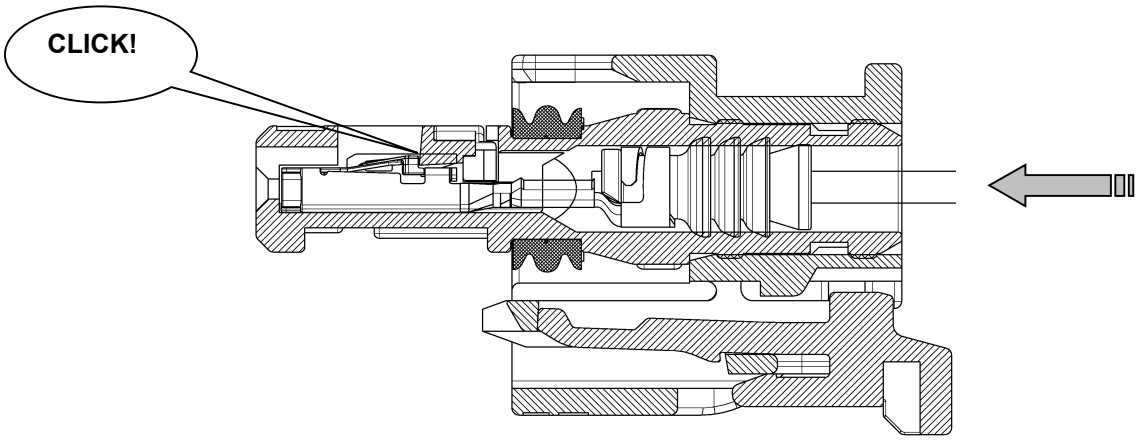
2.2 TERMINAL INSERTION INSTRUCTIONS

INSERTION DIRECTION

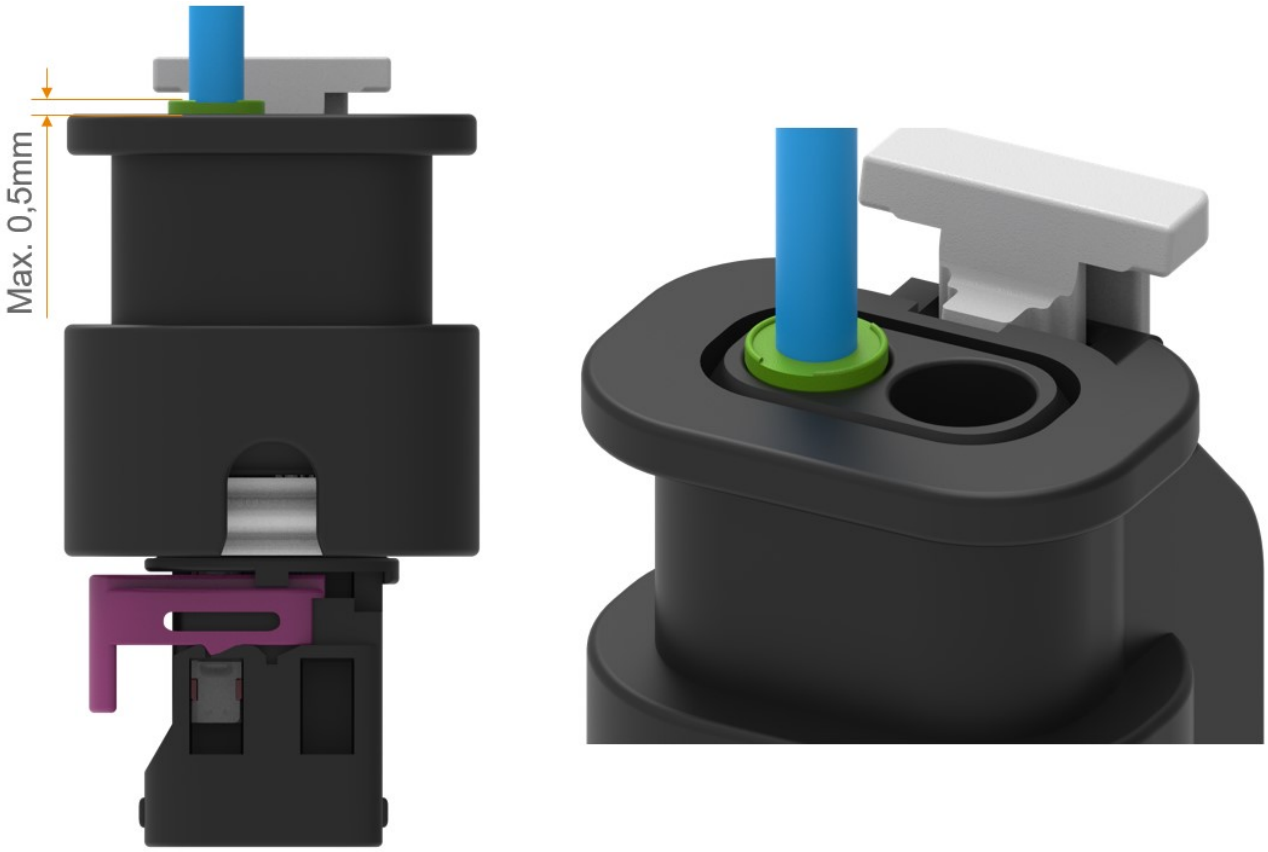
ORIENTATION FEATURE OF THE TERMINAL.



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.



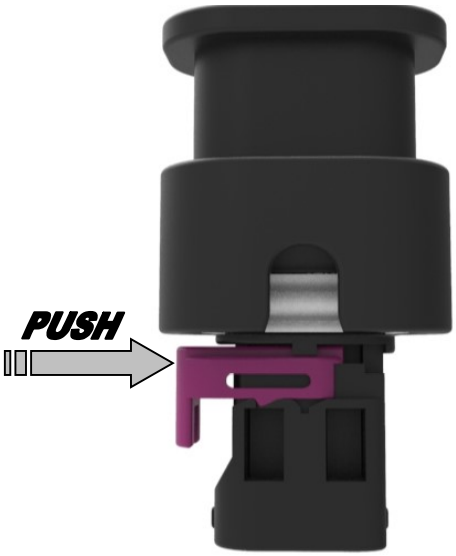
2.3 APPLICABLE WIRES

SEE ALSO THE CUSTOMER DRAWINGS **1452674**

Accessories							
Wire			**Part numbers**				
Type (DIN 76772)	**Ø**	**mm²**	**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



PRE-LOCKED POSITION



END-LOCKED POSITION

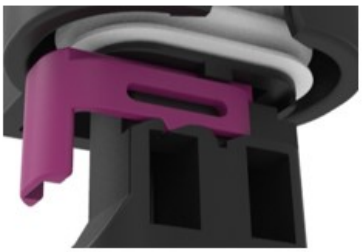
2.5 RETAINER DISENGAGE INSTRUCTIONS

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





END-LOCKED POSITION
Endrastposition

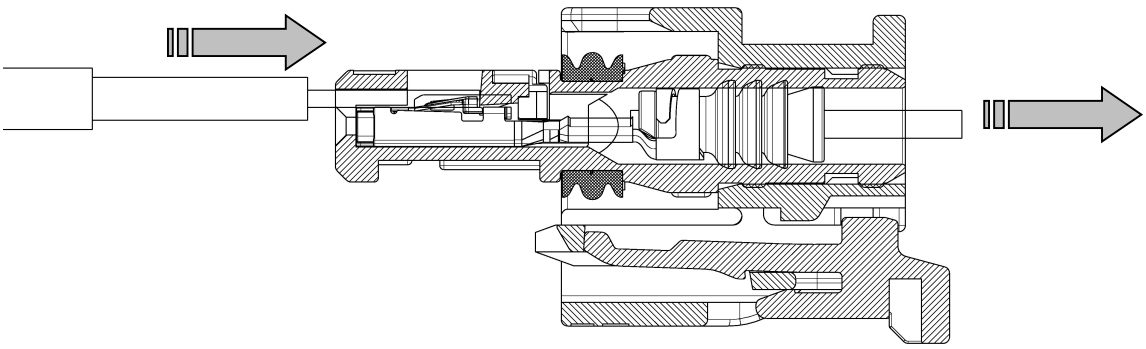


PRE-LOCKED POSITION
Vorrastposition

RETAINER ONLY TO MOVE TO THE PRE-LOCKED POSITION

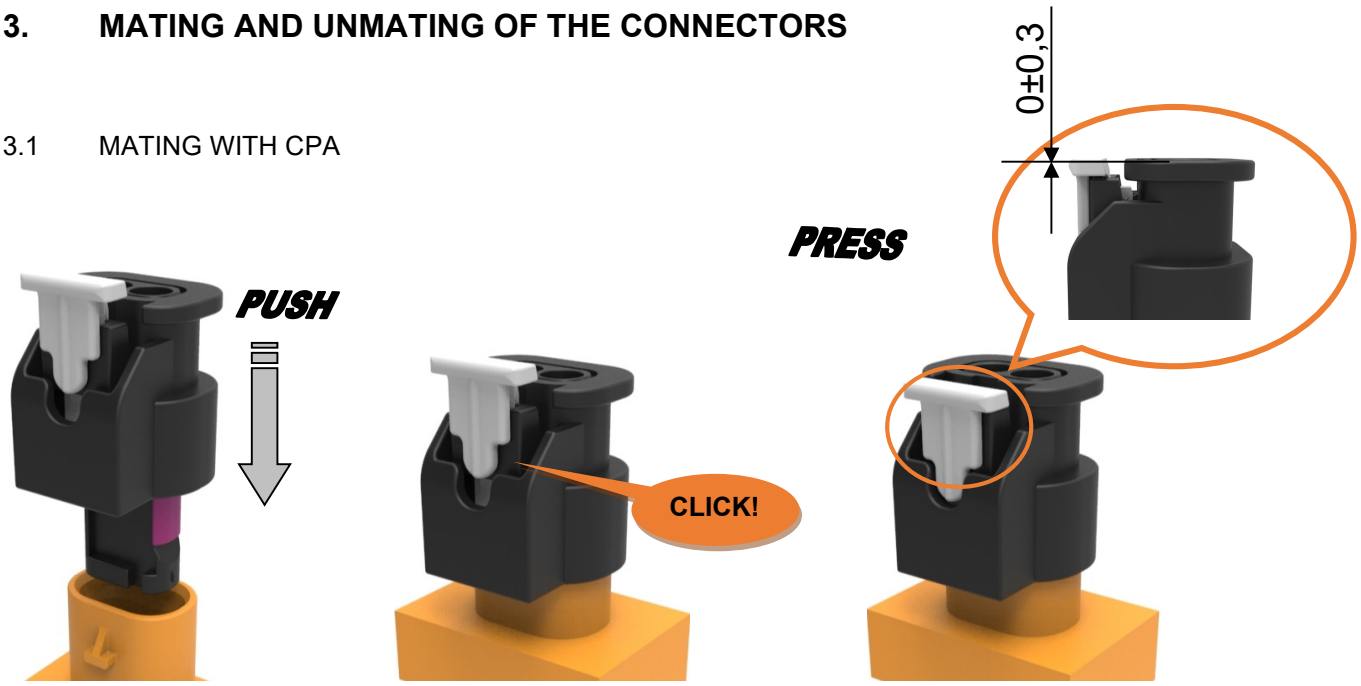
2.6 TERMINAL REMOVAL INSTRUCTIONS

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



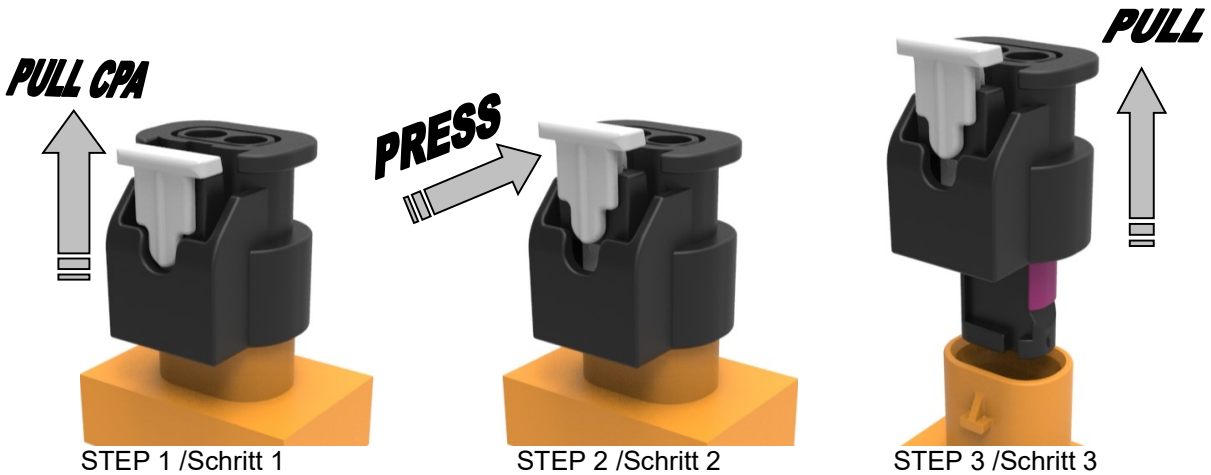
3. MATING AND UNMATING OF THE CONNECTORS

3.1 MATING WITH CPA



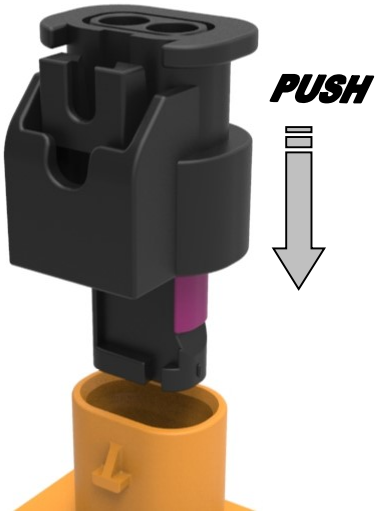
STEP 1 /Schritt 1 STEP 2 /Schritt 2 STEP 3 /Schritt 3

3.2 UNMATING WITH CPA

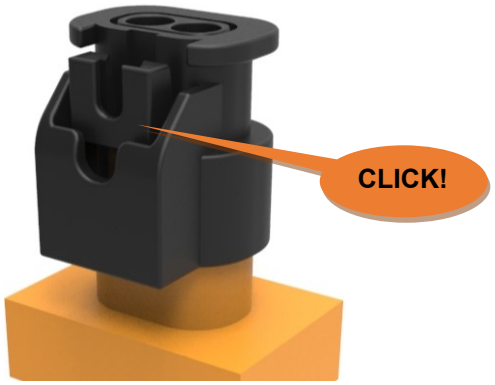


STEP 1 /Schritt 1 STEP 2 /Schritt 2 STEP 3 /Schritt 3

3.3 MATING WITHOUT CPA

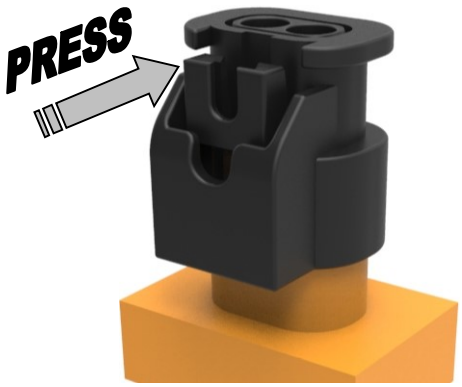


STEP 1

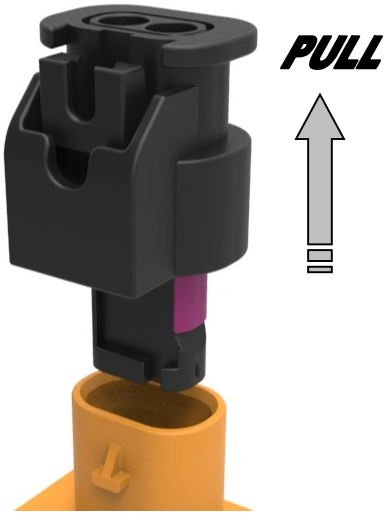


STEP 2

3.4 UNMATING WITHOUT CPA



STEP 1



STEP 2

DOCUMENT CHANGE HISTORY

	NAME	DATE	REV	CHANGE
CHANGE HISTORY	-	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