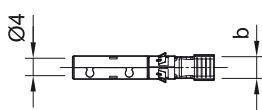
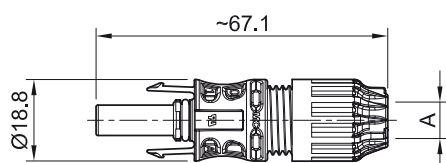


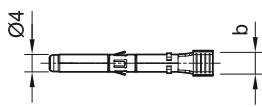
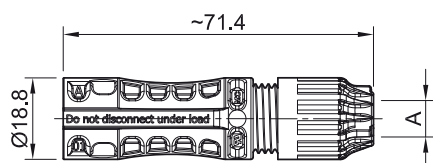
Female and male cable coupler MC4-Evo 2

Female and male cable coupler as individual part (including insulating part)

PV-KBT4-EVO 2/...-UR



PV-KST4-EVO 2/...-UR



Assembly instructions MA273
www.staubli.com/electrical



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Assembly tools page 54

Internationally certified with IEC, UL, JET, cTÜVus. Approved for DC 1500 V (IEC, JET), DC 1500 V (UL) unrestricted access. MULTILAM Technology, has proven the

quality and durability several 100 million times since 2004. Suited for all climatic environments thanks to resistance to UV, ammonia, and high IP class (IP68). Available as a

field and preassembled connector, standard crimping tools can be used. Mating compatibility with MC4 connector family.

Technical data	
Connector system	MC4-Evo 2
Ambient temperature range	-40 °C...+85 °C (TÜV/UL)
Upper limiting temperature	115 °C
Degree of protection	IP68 (1 m, 1 h)/IP65
Degree of protection, unmated	IP2X
Category	CAT III
Degree of pollution	3
Max. contact resistance of the connector	0.2 mΩ
Rated Impulse Voltage	16 kV
Contact system	MULTILAM
Type of connection	Crimping
Contact material	Copper, tin plated
Insulation material	PA
Locking system	Locking Type
Fire protection class	UL94:V-0
Ammonia resistance (acc. to TÜV)	yes
Salt mist spray test, degree of severity 6	yes
TÜV Rheinland certifications number	R 60127169
UL-File number	E343181
JET number of certificate	B18T0049

Female and male cable coupler MC4-Evo 2

Female and male cable coupler as individual part (including insulating part)

Order No.	Type	Socket	Plug	Outer diameter of cable A (mm)	Width of crimp opening b (mm)	IEC 62852			UL 6703			Approvals				
						mm ²	DC V	A	AWG	DC V	A	TÜV	UR	JET		
32.0082P0001-UR	PV-KBT4-EVO 2/2,5I-UR	x		4.7-6.4	4.0	2.5	1500	39				x	x	x		
32.0083P0001-UR	PV-KST4-EVO 2/2,5I-UR		x	4.7-6.4	4.0	2.5	1500	39		14	1500	30	x	x	x	
32.0098P0001-UR	PV-KBT4-EVO 2/2,5X-UR	x		6.1-7.3	4.0	2.5	1500	39					x	x		
32.0099P0001-UR	PV-KST4-EVO 2/2,5X-UR		x	6.1-7.3	4.0	2.5	1500	39		14	1500	30	x	x		
32.0084P0001-UR	PV-KBT4-EVO 2/2,5II-UR	x		6.4-8.4	4.0	2.5	1500	39					x	x	x	
32.0085P0001-UR	PV-KST4-EVO 2/2,5II-UR		x	6.4-8.4	4.0	2.5	1500	39		14	1500	30	x	x	x	
32.0086P0001-UR	PV-KBT4-EVO 2/6I-UR	x		4.7-6.4	5.8	4	1500	45								
						6	1500	53								
										12	1500	35	x	x	x	
										10	1500	50				
32.0087P0001-UR	PV-KST4-EVO 2/6I-UR		x	4.7-6.4	5.8	4	1500	45								
						6	1500	53								
										12	1500	35	x	x	x	
										10	1500	50				
32.0124P0001-UR	PV-KBT4-EVO 2/6X-UR	x		6.1-7.3	5.8	4	1500	45								
						6	1500	53								
										12	1500	35	x	x		
										10	1500	50				
32.0125P0001-UR	PV-KST4-EVO 2/6X-UR		x	6.1-7.3	5.8	4	1500	45								
						6	1500	53								
										12	1500	35	x	x		
										10	1500	50				

Note:

For more detailed information concerning the suitable cable gland range, please consult MA273.

Order No.	Type	Socket	Plug	Outer diameter of cable	Width of crimp opening	IEC 62852			UL 6703			Approvals		
						mm ²	DC V	A	AWG	DC V	A	TÜV	UR	JET
32.0088P0001-UR	PV-KBT4-EVO 2/6II-UR	x		6.4-8.4	5.8	4	1500	45				x	x	x
						6	1500	53						
									12	1500	35			
								10	1500	50				
32.0089P0001-UR	PV-KST4-EVO 2/6II-UR		x	6.4-8.4	5.8	4	1500	45				x	x	x
						6	1500	53						
									12	1500	35			
								10	1500	50				
32.0102P0001-UR	PV-KBT4-EVO 2/10X-UR	x		6.1-7.3	6.5	10	1500	69				x	x	
									8	1500	70			
32.0103P0001-UR	PV-KST4-EVO 2/10X-UR		x	6.1-7.3	6.5	10	1500	69				x	x	
									8	1500	70			
32.0092P0001-UR	PV-KBT4-EVO 2/10II-UR	x		6.4-8.4	6.5	10	1500	69				x	x	
									8	1500	70			
32.0093P0001-UR	PV-KST4-EVO 2/10II-UR		x	6.4-8.4	6.5	10	1500	69				x	x	
									8	1500	70			