FAST MOVING TECHNOLOGY

STÄUBLI

Original MC4

Renewable Energy | Solar Photovoltaics

EN



Female and male cable coupler MC4

As individual part with open crimp contact (including insulating part)



Female cable coupler PV-KBT4...



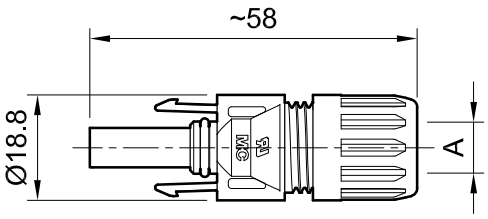
Male cable coupler PV-KST4...

- In accordance with NEC 2023, requires a tool to open.
- Proven MULTILAM technology with high long-term stability, which ensures consistently low performance loss throughout the entire service life of the plug connector.
- Approved for DC 1000 V (IEC) and DC 1500 V (UL).
- Tried and tested plug connectors, over 25 years of experience in the field.
- Available for assembly with cross-sections up to 10 mm².
- Also available as ready made leads according to customer's specification.
- To be used with suitable mated connectors from the MC4 product family and suitable lead.

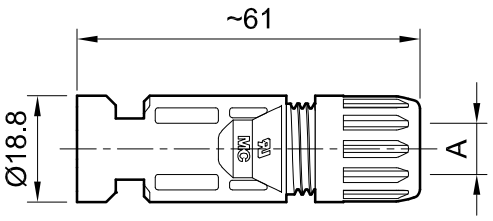
Technical data

Technical data	
Ambient temperature range	-40 °C...+85 °C (TÜV/UL)
Upper limiting temperature	105 °C
Degree of protection, mated	IP65/IP68 (1 m, 1 h)
Degree of protection, unmated	IP2X
Degree of pollution	3
Max. contact resistance of the connector	0.25 mΩ
Rated Impulse Voltage	16 kV
Contact system	MULTILAM
Type of connection	Crimping
Contact material	Copper, tin plated
Insulation material	PC/PA
Locking system	Locking Type
Fire protection class	UL94:V-0
Ammonia resistance (acc. to DLG)	yes
Salt mist spray test, degree of severity 6	yes
TÜV Rheinland certifications number	R 60127190
TÜV Rheinland 2 PfG 2330	R 60087448
UL-File number	E343181
CSA number of certificate	250725
CQC number of certificate	CQC20024256431
JET number of certificate	B19T0013

Dimensional drawings



Female cable coupler PV-KBT4...



Male cable coupler PV-KST4...

Ordering information

Order No.	Type	Socket	Plug	Outer diameter of cable	Width of crimp opening	IEC 62852			UL 6703			Approvals				
				A (mm)	b (mm)	mm²	DC V	A	AWG	DC V	A	TÜV	UR	CSA	CQC	JET
32.0010P0001-UR	PV-KBT4/2,5I-UR	×		5.0 – 6.0	4.0	2.5	1000	22.5				×	×	×		×
									14	1500	30					
32.0011P0001-UR	PV-KST4/2,5I-UR		×	5.0 – 6.0	4.0	2.5	1000	22.5				×	×	×		×
									14	1500	30					
32.0140P0001-UR	PV-KBT4/2,5X-UR	×		5.5 – 7.4	4.0	2.5	1000	22.5				×	×			×
									14	1500	30					
32.0141P0001-UR	PV-KST4/2,5X-UR		×	5.5 – 7.4	4.0	2.5	1000	22.5				×	×			×
									14	1500	30					
32.0012P0001-UR	PV-KBT4/2,5II-UR	×		7.0 – 8.8	4.0	2.5	1000	22.5				×	×	×	×	×
									14	1500	30					
32.0013P0001-UR	PV-KST4/2,5II-UR		×	7.0 – 8.8	4.0	2.5	1000	22.5				×	×	×	×	×
									14	1500	30					
32.0014P0001-UR	PV-KBT4/6I-UR	×		5.0 – 6.0	5.8	4	1000	39				×	×	×		×
						6	1000	39								
									12	1500	35					
									10	1500	50					
32.0015P0001-UR	PV-KST4/6I-UR		×	5.0 – 6.0	5.8	4	1000	39				×	×	×		×
						6	1000	39								
									12	1500	35					
									10	1500	50					
32.0142P0001-UR	PV-KBT4/6X-UR	×		5.5 – 7.4	5.8	4	1000	39				×	×			×
						6	1000	39								
									12	1500	35					
									10	1500	50					
32.0143P0001-UR	PV-KST4/6X-UR		×	5.5 – 7.4	5.8	4	1000	39				×	×			×
						6	1000	39								
									12	1500	35					
									10	1500	50					
32.0016P0001-UR	PV-KBT4/6II-UR	×		7.0 – 8.8	5.8	4	1000	39				×	×	×	×	×
						6	1000	39								
									12	1500	35					
									10	1500	50					

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32.0017P0001-UR	PV-KST4/6II-UR		×	7.0 – 8.8	5.8	4	1000	39				×	×	×	×	×
						6	1000	39								
									12	1500	35					
									10	1500	50					
32.0034P0001	PV-KBT4/10II	×		7.0 – 8.8	6.5	10	1000	45				×				×
32.0035P0001	PV-KST4/10II		×	7.0 – 8.8	6.5	10	1000	45				×				×

Note:
For more detailed information concerning the suitable cable gland range, please consult corresponding assembly instructions (see “Further information”).

Note:
Unmated connectors must be protected from any contamination using Stäubli sealing caps. For ordering information concerning Stäubli sealing caps, please consult corresponding catalog (see “Further information”).

Further information



Female and male cable coupler with barrel crimp contacts

For cable coupler with barrel crimp contacts, please consult:
www.staubli.com/re-downloads.html ➞ English ➞ Catalog ➞ **Cable coupler with barrel crimp contacts**



Tools and accessories

For related Stäubli tools and accessories please consult:
www.staubli.com/re-downloads.html ➞ English ➞ Catalog ➞ **Tools and accessories**



Assembly instructions

For assembly instructions for “Female and male cable coupler MC4” please consult:
www.staubli.com/re-downloads.html ➞ English ➞ Assembly info ➞ **MA231**