

Female and male cable coupler MC4

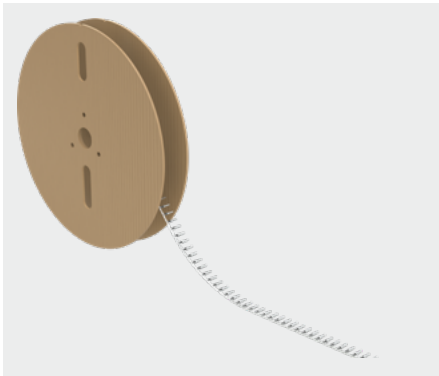
Open crimp contacts on carrier band (including insulating part)



Female cable coupler PV-KBT4...



Male cable coupler PV-KST4...



Reel with contacts

- 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.
- To be used with suitable mated connectors from the MC4 product family and suitable lead.
- Also available as ready made leads according to customer's specification.

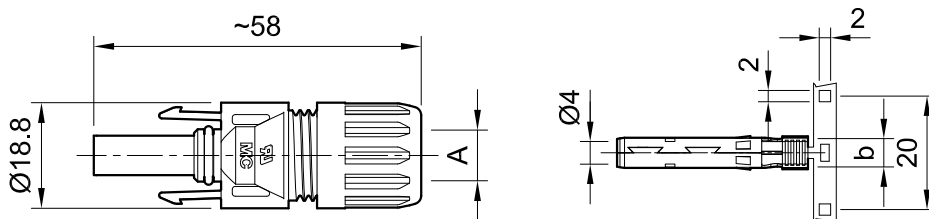
Technical data

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

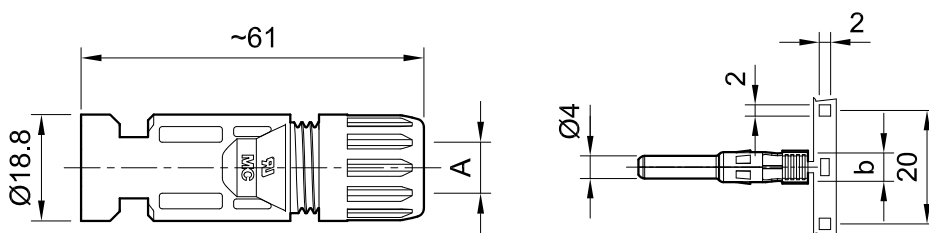
Technical data

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

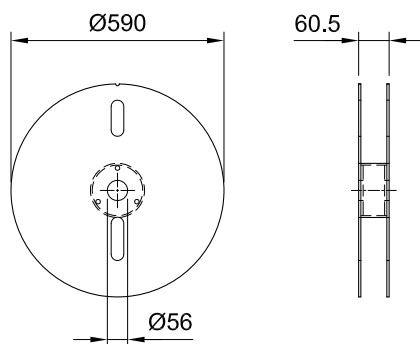
Dimensional drawings



Female cable coupler PV-KBT4...



Male cable coupler PV-KST4...



Reel with contacts

Ordering information

Order No.	Type	Socket	Plug	Outer diameter of cable	Width of crimp opening	IEC 62852			UL 6703			Contacts per reel	Approvals				
						mm ²	DC V	A	AWG	DC V	A		TÜV	UR	CSA	CQC	JET
32.0010P2000-UR	PV-KBT4/2,5I-UR	x		5.0 – 6.0	4.0	2.5	1000	22.5				2000	x	x	x		x
									14	1500	30						
32.0011P2000-UR	PV-KST4/2,5I-UR		x	5.0 – 6.0	4.0	2.5	1000	22.5				2000	x	x	x		x
									14	1500	30						
32.0140P2000-UR	PV-KBT4/2,5X-UR	x		5.5 – 7.4	4.0	2.5	1000	22.5				2000	x	x			x
									14	1500	30						
32.0141P2000-UR	PV-KST4/2,5X-UR		x	5.5 – 7.4	4.0	2.5	1000	22.5				2000	x	x			x
									14	1500	30						
32.0012P2000-UR	PV-KBT4/2,5II-UR	x		7.0 – 8.8	4.0	2.5	1000	22.5				2000	x	x	x	x	x
									14	1500	30						
32.0013P2000-UR	PV-KST4/2,5II-UR		x	7.0 – 8.8	4.0	2.5	1000	22.5				2000	x	x	x	x	x
									14	1500	30						
32.0014P2000-UR	PV-KBT4/6I-UR	x		5.0 – 6.0	5.8	4	1000	39				2000	x	x	x		x
						6	1000	39									
									12	1500	35						
									10	1500	50						
32.0015P2000-UR	PV-KST4/6I-UR		x	5.0 – 6.0	5.8	4	1000	39				2000	x	x	x		x
						6	1000	39									
									12	1500	35						
									10	1500	50						
32.0142P2000-UR	PV-KBT4/6X-UR	x		5.5 – 7.4	5.8	4	1000	39				2000	x	x			x
						6	1000	39									
									12	1500	35						
									10	1500	50						
32.0143P2000-UR	PV-KST4/6X-UR		x	5.5 – 7.4	5.8	4	1000	39				2000	x	x			x
						6	1000	39									
									12	1500	35						
									10	1500	50						
32.0016P2000-UR	PV-KBT4/6II-UR	x		7.0 – 8.8	5.8	4	1000	39				2000	x	x	x	x	x
						6	1000	39									
									12	1500	35						
									10	1500	50						

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32.0017P2000-UR	PV-KST4/6II-UR	x	x	7.0 – 8,8	5.8	4	1000	39				2000	x	x	x	x	x
						6	1000	39									
									12	1500	35						
									10	1500	50						
32.0034P1500	PV-KBT4/10II	x		7.0 – 8,8	6.5	10	1000	45				1500	x				x
32.0035P1500	PV-KST4/10II		x	7.0 – 8,8	6.5	10	1000	45				1500	x				x

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



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**