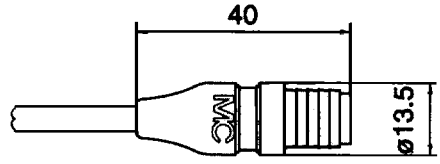
'art No. | Type

32.0000-UR (PV-KBT3 I-UR) | PV-KBT3 I-UR / PV-KBT3 II-UR | Socket (female) with insulator

32.0002-UR (PV-KBT3 II-UR)



Type	Part #	Rated current, max. [1]	Rated voltage	Nom. ø pin/socket	Cable cross-section	Outer diameter of cable	Withdrawal force	Insertion force	Contact resistance	Impulse voltage 1.2/50 µs	Withstand voltage 50/60 Hz 1 min.
		A	V	mm	mm²	mm	N	N	mΩ	kV	kV
PV-KBT3 I-UR	32.0000-UR	1)	600	3	2-4	3.2-4.9	≥50	≤50	<1	13.6	7.4
PV-KBT3 II-UR	32.0002-UR	1)	600	3	2-4	4.9-7.1	≥50	≤50	<1	13.6	7.4

1) depends on the connecting cable and ambient temperature, see page 265.

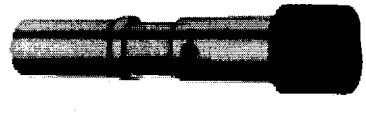
For crimping pliers, see page 36.

Individual parts

Item	Type	Part #	Description	Part of	Plating
1	PV-T3I/B-UR	32.0700-UR	Socket insulator, size I	32.0000-UR	
1a	PV-T3II/B-UR	32.0702-UR	Socket insulator, size II	32.0002-UR	
2	PV-BP3/4-UR	32.0100-UR	Socket ø 3 mm, size I & II	32.0000-UR + 32.0002-UR	Sn

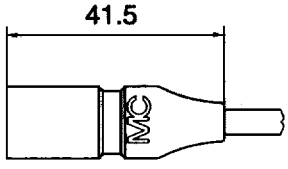
1, 1a

2



Type	Part No
PV-KST3 I-UR	32.0001-UF
PV-KST3 II-UR	(PV-KST3 I-UR
	32.0003-UF
	(PV-KST3 II-UR

Pin (male) with insulator



Type	Part #	Rated current, max. [1]	Rated voltage	Nom. ø pin/socket	Cable cross-section	Outer diameter of cable	Withdrawal force	Insertion force	Contact resistance	Impulse voltage 1.2/50 µs	Withstand voltage 50/60 Hz 1 min.
		A	V	mm	mm²	mm	N	N	mΩ	kV	kV
PV-KST3 I-UR	32.0001-UR	1)	600	3	2-4	3.2-4.9	≥50	≤50	<1	13.6	7.4
PV-KST3 II-UR	32.0003-UR	1)	600	3	2-4	4.9-7.1	≥50	≤50	<1	13.6	7.4

1) depends on the connecting cable and ambient temperature, see diagram on page 265.

For crimping pliers, see page 36.

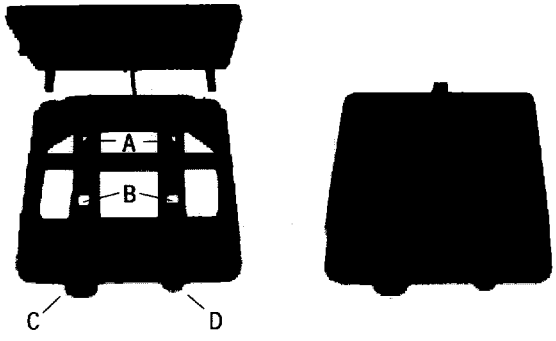
Individual parts

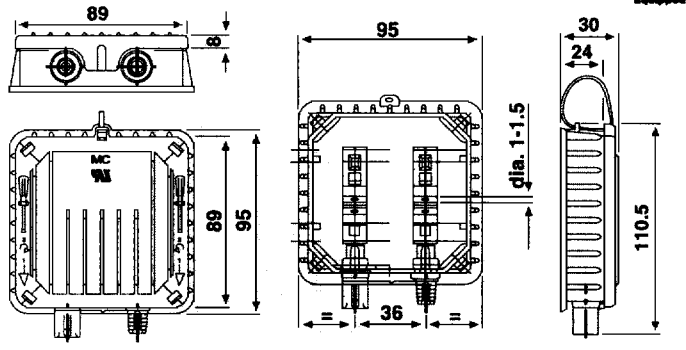
Item	Type	Part #	Description	Part of	Plating
1	PV-T3I/S-UR	32.0701-UR	Pin insulator, size I	32.0001-UR	
1a	PV-T3II/S-UR	32.0703-UR	Pin insulator, size II	32.0003-UR	
2	PV-SP3/4-UR	32.0500-UR	Pin ø 3 mm, size I & II	32.0001-UR + 32.0003-UR	Sn

1, 1a

2

Part No.	Type
32.7000-UR	PV-JB/2-UR





The ONLY "Plug-n-Play" photovoltaic junction box to be UL recognized in the U.S.!
Universal "Plug-n-Play" junction box featuring patented MC® Multilam™ connectors and insulators. This junction box is UV and weather resistant, and is completely touch-proof. Furthermore, with this "Plug-n-Play" design there is no stripping, no splicing, no screws or loose hardware, and no shocks. Use with our ***UL Recognized Connectors and Insulators*** on pages 266 & 267.

Specifications and ratings:

(A) Connections for ribbon band or round connectors[1)]
(B) Connections for bypass diodes[1)]
(C) Connections for PV-KBT3 I and PV-KBT3 II
(D) Connections for PV-KST3 I and PV-KST3 II
Rated current: ..... 20 A[2)]
System voltage max.: ..... 600 V[3)], (pol/pol)
1000 V[3)], (pol/⏚)
Impulse voltage: ..... 6 kV (1.2/50 µs), (pol/pol)
13.6 kV (1.2/50 µs), (pol/⏚)
Withstand voltage: . 3.25 kV (50/60Hz 1 min.) (pol/pol)
7.4 kV (50/60Hz 1 min.) (pol/⏚)

Contact resistance of plug connectors: ..... ≤ 5 mΩ
Contact material: ..... Cu/Sn
Nom. dia. pin/socket: ..... 3 mm
Protection degree: ..... IP2X/IP65[4)]
Withdrawal force: ..... ≥ 50 N
Insertion force: ..... ≤ 50 N
Temperature range: ..... -40°C to +90°C
(-40°F to +194°F)
UL Temp. range at full load: ..... -40°C to +40°C
(-40°F to +104°F)
Heat dissipation: ..... 10 W[5)]
Insulation material: ..... TPE/PPO

[1)] See terminal clip for junction box PVC-AK3 page 278.
[2)] Valid for connections C and D. Depends on the cable and ambient temperature, according to IEC 364-5-523 (see derating diagram)
[3)] Valid up to 2000 m according to IEC 60664-1
[4)] Unplugged / junction box closed
[5)] In the case of partly shaded PV modules. The max. reverse conducting voltage and max. conducting state current is determined by the number of active bypass diodes.