## L lumberg

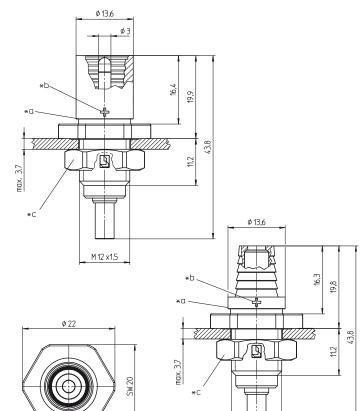


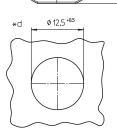


LC3-CP 10

LC3-CP 11

M 12 ×1,5





- \*a recess for optional unmating preventer LC3-CX 90 according to NEC 2008 NFPA 70
- \*b marking + on LC3-CP 1...-1, on LC3-CP 1...-2
- \*c nut enclosed separately
- \*d port

## Connectivity solutions for photovoltaic power systems LC3<sup>®</sup>-CP – Connector Parts without cable

## LC3-CP 10 LC3-CP 11

(4.     Insulating body   T     Contact pin/bush   C     Contact protection (plugs only)   P     Sleeve (sockets only)   C     Hexagonal nut   P     B. Mechanical data   Insertion force¹     Insertion force¹   ≥     Withdrawal force¹   ≥     Mating cycles¹   5     Tightening torque nut   0     Mating with   p	40 °C/+85 °C +110 °C upper limit temperature) alogen-free, UV-resistant PU, V0 according to UL 94 uZn, pre-nickeled and tinned A, V0 according to UL 94 uZn, nickeled A GF
C3-CP 10: plug     C3-CP 11: socket     I. Temperature range     (4)     C. Materials     Insulating body     Contact pin/bush     Contact protection (plugs only)     Sleeve (sockets only)     Sleeve (sockets only)     Centact protection (plugs only)     Hexagonal nut     B. Mechanical data     Insertion force¹     Vithdrawal force¹     Mating cycles¹     Sightening torque nut     Mating with	+110 °C upper limit temperature) alogen-free, UV-resistant PU, V0 according to UL 94 uZn, pre-nickeled and tinned A, V0 according to UL 94 uZn, nickeled
C3-CP 11: socket I. Temperature range (- 2. Materials Insulating body Contact pin/bush Contact pin/bush Contact protection (plugs only) Sleeve (sockets only) Sleeve (sockets only) Sleeve (sockets only) Contact protection (plugs only) Sleeve (sockets only) Sleeve (sockets only) Contact protection (plugs only) Sleeve (sockets only) Sleeve (sockets only) Sleeve (sockets only) Contact protection (plugs only) Sleeve (sockets only) Contact protection (plugs only) Sleeve (sockets only) Sleeve (sockets only) Contact protection (plugs only) Sleeve (sockets only) Contact protection (plugs only) Contact protection (plugs only) Sleeve (sockets only) Contact protection (plugs only) Sleeve (sockets only) Contact protection (plugs only) Sleeve (sockets only) Sleeve (sockets only) Sleeve (sockets only) Contact protection (plugs only) Sleeve (sockets only) Sleeve (sockets only) Contact protection (plugs only) Sleeve (sockets only	+110 °C upper limit temperature) alogen-free, UV-resistant PU, V0 according to UL 94 uZn, pre-nickeled and tinned A, V0 according to UL 94 uZn, nickeled
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Contact pin/bush   Contact protection (plugs only)   P.     Sleeve (sockets only)   Contact protection (plugs only)   P.     Hexagonal nut   P. <b>B.</b> Mechanical data   Insertion force <sup>1</sup> ≤     Withdrawal force <sup>1</sup> ≥     Mating cycles <sup>1</sup> 5     Tightening torque nut   0     Mating with   p	uZn, pre-nickeled and tinned A, V0 according to UL 94 uZn, nickeled
Contact pin/bush   Contact protection (plugs only)   P.     Sleeve (sockets only)   Contact protection (plugs only)   P.     Hexagonal nut   P. <b>B.</b> Mechanical data   Insertion force <sup>1</sup> ≤     Withdrawal force <sup>1</sup> ≥     Mating cycles <sup>1</sup> 5     Tightening torque nut   0     Mating with   p	uZn, pre-nickeled and tinned A, V0 according to UL 94 uZn, nickeled
Sleeve (sockets only) C Hexagonal nut P <b>B. Mechanical data</b> Insertion force <sup>1</sup> ≤ Withdrawal force <sup>1</sup> ≥ Mating cycles <sup>1</sup> 5 Tightening torque nut 0 Mating with p	uZn, nickeled
Hexagonal nut P.   B. Mechanical data Insertion force¹   Insertion force¹ ≥   Withdrawal force¹ ≥   Mating cycles¹ 5   Tightening torque nut 0   Mating with p	
Insertion force <sup>1</sup> ≤ Withdrawal force <sup>1</sup> ≥ Mating cycles <sup>1</sup> 5 Tightening torque nut 0 Mating with p	
Withdrawal force¹≥Mating cycles¹5Tightening torque nut0Mating withp	
Mating cycles <sup>1</sup> 5 Tightening torque nut 0 Mating with p	89 N
Tightening torque nut 0 Mating with p	89 N 0
	.8–1.1 Nm
	hotovoltaic connectors LC3 9 68
Connectable conductors crimp ter	minal stranded wire <sup>3</sup>
	.5 mm <sup>2</sup> (AWG 14)
	.0 mm² (AWG 12) .0 mm² (AWG 10)
I. Electrical data (at T <sub>amb</sub> 20 °C)	
Contact resistance <sup>1</sup> ≤	5 mΩ
Rated current <sup>1</sup> LC3-CP 1 2.5 2 Rated current <sup>1</sup> LC3-CP 1 4.0 2	2 A at T <sub>amb</sub> 85 °C
Rated current <sup>1</sup> LC3-CP 1 4.0 3 Rated current <sup>1</sup> LC3-CP 1 6.0 4	5 A at T <sub>amb</sub> 85 °C 0 A at T <sub>amb</sub> 85 °C
Rated voltage <sup>4</sup>	000 V DC
	I (8 kV) (IEC)/0 (UL) (CTI ≥ 600)
Creepage distance ≥	12.5 mm
	12.5 mm 10 GΩ
measured with a proper counterpart	10 611
only in mated condition with a prope	
IP X8 requirements under agreement wire construction preferably according	between manufacturer and user
crimp connection must be tested	
according to DIN EN 60664/IEC 60664	resp. according to ANSI/UL 746A
C	omposition of type designation
C	composition of type designation
	composition of type designation
S	eries: LC3 or LC4 ype of product
S T C	eries: LC3 or LC4 ype of product P <b>C</b> onnector <b>P</b> art
S T C C	eries: LC3 or LC4 ype of product P <b>C</b> onnector <b>P</b> art onfiguration
S T C C	eries: LC3 or LC4 ype of product P <b>C</b> onnector <b>P</b> art onfiguration 0 chassis plug
S T C 1 1	eries: LC3 or LC4 ype of product P <b>C</b> onnector <b>P</b> art onfiguration 0 chassis plug 1 chassis socket olarity
Si T C C 1 1 P	eries: LC3 or LC4 ype of product P <b>C</b> onnector <b>P</b> art onfiguration 0 chassis plug 1 chassis socket olarity 1 +
Si T C 1 1 P 	eries: LC3 or LC4 ype of product P <b>C</b> onnector <b>P</b> art onfiguration 0 chassis plug 1 chassis socket olarity 1 + 2 –
	eries: LC3 or LC4 ype of product P <b>C</b> onnector <b>P</b> art onfiguration 0 chassis plug 1 chassis socket olarity 1 +
	eries: LC3 or LC4 ype of product P Connector Part onfiguration 0 chassis plug 1 chassis socket olarity 1 + 2 - able section .5 2.5 mm <sup>2</sup> (AWG 14) .0 4.0 mm <sup>2</sup> (AWG 12)
	eries: LC3 or LC4 ype of product P Connector Part configuration 0 chassis plug 1 chassis socket olarity 1 + 2 - able section .5 2.5 mm <sup>2</sup> (AWG 14)
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	ype of product P Connector Part onfiguration 0 chassis plug 1 chassis socket olarity 1 + 2 - able section .5 2.5 mm <sup>2</sup> (AWG 14) .0 4.0 mm <sup>2</sup> (AWG 12)

## Package unit: 100 pieces in a cardboard box

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