



Product Change Notification

Enter Date: 24.03.2026

ITT Cannon

PCN Number: PCN26005WN

Location:

PCN Date: 24.03.2026

Customer: CUSTOMER

WEINSTADT / LAINATE

Issued by: Berke Toktas

Dear Valued Customer. With this letter ITT Cannon informs you of the following change(s) to the respective ITT Cannon Product. In case of further questions about this change(s), please contact your local ITT Sales or Customer Service representative. Affected part, drawing and or specification numbers are listed on the attached sheet(s)

Affected Product(s) / Product Line(s):

ITT VEAM PowerLock NPS connectors with T4 contact (up to 400A) / with T6 contact (up to 660A)
ITT VEAM PowerLock NPFT connectors with T4 contact (up to 400A) / with T6 contact (up to 660A)
ITT VEAM PowerLock NLS connectors with Set Screw contact (up to 400A) / with Crimp contact (up to 660A)
ITT VEAM PowerLock NLDFT connectors with Set Screw contact (up to 400A) / with Crimp contact (up to 660A)

Description of Change(s):

The affected products within the PowerLock portfolio will be upgraded with higher current ratings. The maximum current rating will increase to 450 A (previously 400 A) and 800 A (previously 660 A). All relevant documentation, including catalogues, technical contents, and drawings, will be updated accordingly. In addition, the product labels on the PowerLock connectors will be revised to reflect the upgraded current ratings. The upgraded current ratings are confirmed by the internal laboratory and external certification body VDE. All part numbers and the article descriptions will remain unchanged.

Impact Assessment(s):

This change has no impact on the form, fit, or function of the product. Handling, installation, and assembly processes remain unchanged. Due to the non-impact nature of this change, no sample inspection reports or PPAP documentation will be provided.

Last Production Date (Obsolete Parts Only):

30st April 2026

First production date (Changed Parts only):

1st May 2026

	NLDFT	E-GN	L	C240	M40B	HG
Body Style	NLS NLDFT NPS NPFT	Line Source Line Drain Panel Source Panel Drain				
Line/Phase Color	E-GN N-BL N-W N-BK 1-BN 1-BK 1-R 2-BK 2-R 2-W 3-GY 3-BL	Ground / Green Neutral / Blue Neutral / White Neutral / Black Line 1 / Brown Line 1 / Black Line 1 / Red Line 2 / Black Line 2 / Red Line 2 / White Line 3 / Grey Line 3 / Blue				
L	L Blank	Use with NLDFT & NPFT Leave blank for NLS & NPS	NPFT & NLDFT only			
Type	C300 C240 C240new C185 C150 C120 C107 C95 C70 C50 C35 S120*	Crimp 300mm ² copper cable* Crimp 240mm ² copper cable* Crimp 240mm ² copper cable* Crimp 185mm ² copper cable* Crimp 150mm ² copper cable* Crimp 120mm ² copper cable* Crimp 107mm ² copper cable* Crimp 95mm ² copper cable* Crimp 70mm ² copper cable* Crimp 50mm ² copper cable* Crimp 35mm ² copper cable* Set Screw 120 mm ² (See Note*)	NLS & NLDFT only			
	T4 T6	M12 Threaded post 400amp M12 Threaded post 660amp	NPS & NPFT only			
			NPS & NPFT only			
Contact Cable Gland	M40S M40A M40B M50	Gland nut 15-23mm Ø Gland nut 19-28mm Ø Gland nut 22-32mm Ø Gland nut 30-36,5mm Ø			NLS & NLDFT only	
Special Options	SC HG NF M6F M6R	Sliding Collar (Source only) Hand Grip (Line only) No Flange (Panel only) M6 threaded insert front (Panel only) M6 threaded insert rear (Panel only)				HG



ITT Interconnect Solutions
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EU-KONFORMITÄTSERKLÄRUNG EU-DECLARATION OF CONFORMITY	3-2026 EU-Declaration Powerlock Connector
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gemäß der EU-Niederspannungs-Richtlinie 2014/35/EU, Anhang III; vom 26. Februar 2014
according to Low-Voltage Directive 2014/35/EC, annex III; 26. February 2014

Hiermit erklären wir, dass das nachstehend bezeichnete Produkt in seiner Konzeption und Bauart sowie in der von uns in Verkehr gebrachten Ausführung den grundlegenden Sicherheits- und Gesundheitsanforderungen der EU-Richtlinie Niederspannung entspricht. Bei einer mit uns nicht abgestimmten Änderung des Produktes verliert diese Erklärung ihre Gültigkeit.

We declare that the product described below, in its design and construction as well as in the version that we have placed on the market, meets the essential safety and health requirements of the EU Low Voltage Directive. In case of a product change not agreed with us, this declaration will lose its validity.

Hersteller / Bevollmächtigter

Manufacturer/Distributor

ITT Cannon GmbH
Cannonstraße 1
D-71384 Weinstadt
Tel.: +49(0)7151/699-0

Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller.

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Produktbezeichnung

Product designation

Powerlock™ einpolige elektrische Steckverbinder bei hochstromfesten Anwendungen

Powerlock™ single pole electrical connectors, used in high current applications

- Single Pole Line Source NLS; 450A & 800A
- Single Pole Line Drain NLDFT; 450A & 800A
- Single Pole Panel Source NPS; 450A & 800A
- Single Pole Panel Drain NPDFT; 450A & 800A

sowie die dazugehörigen Insulator-Kits / Insulator Units und Contact-Kits / Contact Units
as well as the corresponding Insulator-Kits / Insulator Units and Contact-Kits / Contact Units

- NLS*-INSKIT; NLD*-INSKIT; NPS*-INSKIT; NPD*-INSKIT
- INSULATOR UNIT NLS*; NLDFT*; NPS*; NPDFT*
- NLS*-CONKIT; NLD*-CONKIT; NPS*-CONKIT; NPD*-CONKIT
- CONTACT UNIT NLS*; NLDFT*; NPS*; NPDFT*



Die oben beschriebenen Gegenstände der Erklärung erfüllt die einschlägigen Harmonisierungsrechtschriften der Union:

The objects of the declaration described above is in conformity with the relevant Union harmonization legislation:

- EU-Niederspannungs-Richtlinie 2014/35/EU *Low-Voltage Directive 2014/35/EU*
- EU-Richtlinie RoHS2 2011/65/EU *RoHS2 directive 2011/65/EU*

Folgende harmonisierende Normen wurden angewandt

Following harmonized standards have been applied

- DIN EN IEC 60309-1:2013-06; VDE 0623-1:2023-06
Stecker, ortsfeste oder ortsveränderliche Steckdosen und Gerätestecker für industrielle Anwendungen - Teil 1: Allgemeine Anforderungen
Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes – Part 1: General requirements
- DIN EN IEC 61439-5:2024-10; VDE 0660-600-5:2024-10
Niederspannungs-Schaltgerätekombinationen - Teil 5: Schaltgerätekombinationen in öffentlichen Energieverteilungsnetzen
Low-voltage switchgear and controlgear assemblies - Part 5: Assemblies for power distribution in public networks
- DIN EN 60529:2014-09; VDE 0470-1:2014-09
Schutzarten durch Gehäuse (IP-Code) / *Degrees of protection provided by enclosures (IP Code)*
- DIN EN IEC 63000:2019-05; VDE 0042-12:2019-05
Technische Dokumentation zur Beurteilung von Elektro- und Elektronikgeräten hinsichtlich der Beschränkung gefährlicher Stoffe
Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

Ort/Place: Weinstadt

Datum/Date: 05.03.2026

(Unterschrift/Signature)

Florian Lennartz
Managing Director
ITT Cannon GmbH

(Unterschrift/Signature)

Dan Dawson
Executive Director, Product Design Engineering
N.A. & Europe



Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Gutachtens mit Fertigungsüberwachung Nr. 40026768.
This supplement is only valid in conjunction with page 1 of the Certificate of Conformity with factory surveillance No. 40026768

Steckverbinder (COC) Power Lock Series Connector (COC)

Position Position	Typ(en) ; details siehe Anlage 100 Type(s) Details see app. 100	Steckbar mit Typ der Position- Nr.: Pluggable with type of the position- No.:	Steckzyklen Operating cycles	Bemessungsspannung(en) / V Rated voltage(s) / V	Bemessungsstoßspannung / V Rated impulse voltag / V	Bemessungsstrom(e) / A Rated current(s) / A	Leiterquerschnitt / mm ² Cross-sectional / mm ²	Leiterquerschnittsbereich/ mm ² Cross-sectional area / mm ²	Flexibel / Flexibly	Start / Rigid	Polzahl Number of poles	Umgebungstemperatur / °C Ambient temperature / °C	Obere Grenztemperatur / °C Upper temperature limit / °C	Untere Grenztemperatur / °C Lower temperature limit / °C	Verschmutzungsgrad Pollution degree	Isolierstoffgruppe Material group	Schutzart Protection degree	
1	NLDFT-**-C...-** (female)	3, 7; 10; 14	500	1000	8000	660	240	35 – 150	X	--	1	45	125	-30	3	III	M40 cable gland: IP 66 / 67 *1 mated	
						800	300	185 *2 240 - 300										
2	NLDFT-**-S120-** (female)	4, 8; 9, 11; 15	500	1000	8000	450	120	35 – 120	X	--	1	45	125	-30	3	III	M50 cable gland: IP 67 *1 mated	
3	NLS-**-C...-** (male)	1, 5; 12; 16	500	1000	8000	660	240	35 – 150	X	--	1	45	125	-30	3	III		
						800	300	185 *2 240 - 300										
4	NLS-**-S120-** (male)	2, 6; 13; 17	500	1000	8000	450	120	35 – 120	X	--	1	45	125	-30	3	III	IP 66/67 *1	
5	NPDFT-**-T6 (female)	7, 3	500	1000	8000	660	240	35 - 150	X	--	1	45	125	-30	3	III		
						800	300	240 - 300										
6	NPDFT-**-T4 (female)	8, 4, 9	500	1000	8000	450	120	50 – 120	X	--	1	45	125	-30	3	III		
7	NPS-**-T6 (male)	5, 1	500	1000	8000	660	240	35 - 150	X	--	1	45	125	-30	3	III		
						800	300	240 - 300										
8	NPS-**-T4 (male)	6, 2	500	1000	8000	450	120	50 – 120	X	--	1	45	125	-30	3	III		
9	NPS-**-H6 (male)	6, 2	500	1000	8000	450	120	50 – 120	X	--	1	45	125	-30	3	III		

*1 Bei Kombination von Steckverbindern mit unterschiedlichen Bemessungswerten ist der ungünstigste Bemessungswert für die Einteilung des Steckverbinders bestimmend.

*1 If there are combinations with different ratings, the worst case rating is defining the classification of the connector.

*2 Bei der Crimpung des Querschnitts 185 mm² sind nach Vorgaben der Fa. ITT Cannon Reduzierhülsen zu verwenden.

*2 For the crimp connections of the cross sectional 185 mm² reducing bushes are necessary according to the manufacturers specifications.

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Steckverbinder (COC) Connector (COC)		Power Lock Series															
Position Position	Typ(en) ; details siehe Anlage 100 Type(s) Details see app. 100	Steckbar mit Typ der Position Nr.: Pluggable with type of the position- No.:	Steckzyklen Operating cycles	Bemessungsspannung(en)/V Rated voltage(s) / V	Bemessungsstoßspannung / V Rated impulse voltag / V	Bemessungsstrom(e) / A Rated current(s) / A	Leiterquerschnitt / mm ² Cross-sectional / mm ²	Leiterquerschnittsbereich/ mm ² Cross-sectional area / mm ²	Flexibel / Flexibly	Starr / Rigid	Polzahl Number of poles	Umgebungstemperatur / °C Ambient temperature / °C	Obere Grenztemperatur / °C Upper temperature limit / °C	Untere Grenztemperatur / °C Lower temperature limit / °C	Verschmutzungsgrad Pollution degree	Isolierstoffgruppe Material group	Schutzart Protection degree
10	NGR-5PS-X-600 (male) Connecting box	1 (5x)	500	1000	8000	660	240	35 - 150 240 - 300	X	--	3P+N+PE	45	125	-30	3	III	IP20 *1
11	NGR-5PS-X-400 (male) Connecting box	2 (5x)	500	1000	8000	400	120	50 - 120	X	--	3P+N+PE	45	125	-30	3	III	
12	NGR-5PD-X-600 (female) Connecting box	3 (5x)	500	1000	8000	660	240	35 - 150 240 - 300	X	--	3P+N+PE	45	125	-30	3	III	
13	NGR-5PD-X-400 (female) Connecting box	4 (5x)	500	1000	8000	400	120	50 - 120	X	--	3P+N+PE	45	125	-30	3	III	
14	PBX-XX-PS-XX-660 (male) Connecting box	1 (5x)	500	1000	8000	660	240	35 - 150 240 - 300	X	--	3P+N+PE	45	125	-30	3	III	
15	PBX-XX-PS-XX-400 (male) Connecting box	2 (5x)	500	1000	8000	400	120	50 - 120	X	--	3P+N+PE	45	125	-30	3	III	
16	PBX-XX-PD-XX-660 (female) Connecting box	3 (5x)	500	1000	8000	660	240	35 - 150 240 - 300	X	--	3P+N+PE	45	125	-30	3	III	
17	PBX-XX-PD-XX-400 (female) Connecting box	4 (5x)	500	1000	8000	400	120	50 - 120	X	--	3P+N+PE	45	125	-30	3	III	
18	PCS-**-** Protection Caps	1...17	---	1000	8000	---	---	---	--	--	--	45	125	-30	3	III	IP 67

*1 Bei Kombination von Steckverbindern mit unterschiedlichen Bemessungswerten ist der ungünstigste Bemessungswert für die Einteilung des Steckverbinders bestimmend.

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