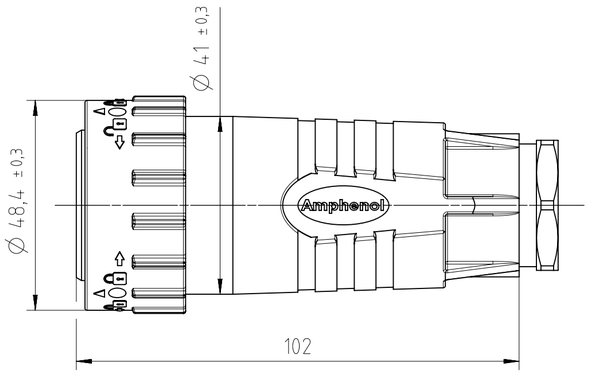
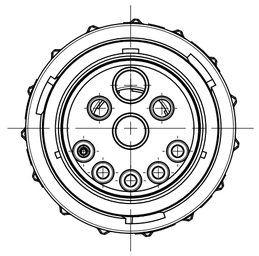
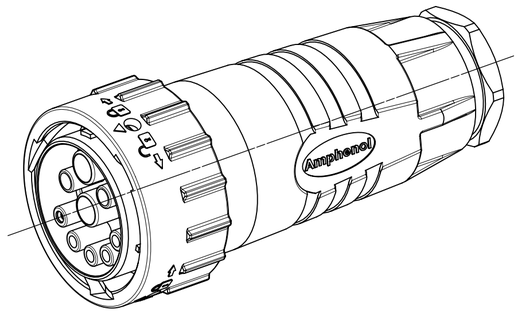
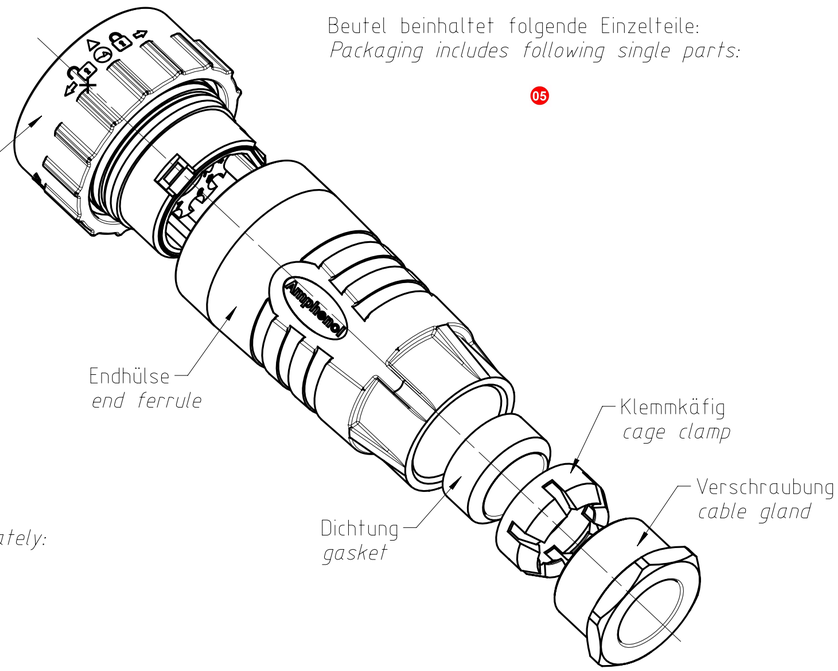
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Beutel beinhaltet folgende Einzelteile:
Packaging includes following single parts:

05

Polzahl *number of contacts*	2+2+4+1
Kontakte *contacts*	2x Size 8 2x Size 12 4x Size 16 1x Size 16 überbrückt / *bridged*
Bemessungsspannung (DIN EN 60664-1) *Rated voltage (DIN EN 60664-1)*	24VDC
Strombelastbarkeit bei +40°C (alle Kontakte belastet) *Current carrying capacity at 40°C* *(all contacts under load)*	2x45A (6mm²) 2x60A (10mm²) 05 2x75A (16mm²) 05 2x15A (2,5mm²) 4x5A (0,5mm²)
Max. Strombelastbarkeit der Kontakte bei +40°C *max. current carrying capacity* *of contacts at +40°C*	2x50A (6mm²) 2x70A (10mm²) 2x80A (16mm²) 05 2x25A (2,5mm²)
Verschmutzungsgrad *Pollution degree*	3
Temperaturbereich *Temperature range*	-40°C bis +125°C *-40°F up to +257°F*
Schutzgrad *protection class*	IP67 / IP6K9K (gesteckt) *IP67 / IP6K9K (mated)*
Mechanische Lebensdauer *Mechanical operations*	≥100 Steckzyklen *≥100 mating cycles*
Werkstoff Dichtungen *material gaskets*	NBR, Silikon *NBR, silicone*
Werkstoff Gehäuse *material housing*	Polyamid schwarz, UL94V-0 *polyamide black, UL94V-0*
Werkstoff Kontaktträger *material housing*	Polyamid schwarz, UL94V-0 *polyamide black, UL94V-0*
Werkstoff Kontakte + Oberfläche *material contacts + surface*	Kupferlegierung, vernickelt *copper alloy, nickel plated*
Anschließbare Kabeldurchmesser *Possible cable diameter*	14 - 18mm
Verriegelung *locking*	Bajonett *Bayonet*

Stecker nach ISO 11783-2
connector acc. to ISO 11783-2

Version frei konfektionierbar mit Kabelverschraubung
version free assembly with cable gland

Kontakte bitte separat bestellen / *Please order contacts separately:*

Size 8 (2x benötigt / 2x needed):
6mm² - VN02 036 0026 6
10mm² - VN02 036 0027 6
16mm² - VN02 036 0028 6

Size 12 (2x benötigt / 2x needed):
gestanzt / stamped (AWG 12-14): AT62-12-0166 (nickel plated) / AT62-12-0144 (gold plated)
gedreht / turned (AWG 12-14): AT62-203-12141 (nickel plated) / AT62-210-1231 (gold plated)

Size 16 (4x benötigt / 4x needed):
gestanzt / stamped (0,34-0,5mm²): AT62-16-0822 (nickel plated) / AT62-16-0844 (gold plated)
gestanzt / stamped (AWG 18-20): AT62-16-0622 (nickel plated) / AT62-16-0644 (gold plated)
gedreht / turned (AWG 16-20): AT62-201-16141 (nickel plated) / AT62-201-1631 (gold plated)

Weitere Kontakte auf Anfrage / *other contacts on request*

Crimpausrüstung siehe Montageanleitung
- N 22 000 0024 (6mm²)
- N 22 000 0025 (10mm²)
- N 22 000 0026 (16mm²)

equipment for crimping according to assembly instruction
- *N 22 000 0024 (6mm²)*
- *N 22 000 0025 (10mm²)*
- *N 22 000 0026 (16mm²)*

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Index	Änderung / *Description*	Datum / *Date*	Name
05	201900126	24.07.2019	SWAHL
04	201700501	26.02.2018	RSCHÄ
03	201500766	13.04.2017	NPFEI
02	201500766	15.02.2017	RSCHÄ
01	201500766	02.02.2017	RSCHÄ

Gewicht (errechnet) / *Calc. WT.*: 0,111 kg
Prüfmaß / *Testdimension*
Teileindex / *Partindexnumber:*
Bagatelle change:

Zul. Abw. / *Tolerances*: ISO 2768-c
DIN / ISO 13715

Gez. 26.10.2016
Drawn RSCHAEDEL
Status Released
Gepr. 18.07.2019
Checked MGRIMM

Amphenol Tuchel Industrial GmbH

Maßstab / *Scale*: 1:1 | A2

CUSTOMER DRAWING

Kabeldose
female cable connector

M AHDP06-24-91S-BS1

Blatt / *Sheet* 1 | 1 Bl.

Ers. f. / *Replacement for*:

NXM-V03 | FA12019-0007O6

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AT Series™ - Contact Size 16 Options

Machined Contacts, Sockets & Pins				
Part Number	**Description**	**Size**	**AWG**	**Type**
AT60-215-1631	Male Contact - Pin, Gold-plated	16	14	Machined
AT62-209-1631	Female Contact - Socket, Gold-plated	16	14	Machined
AT60-215-16141	Male Contact - Pin, Nickel-plated	16	14	Machined
AT62-209-16141	Female Contact - Socket, Nickel-plated	16	14	Machined
AT60-202-1631	Male Contact - Pin, Gold-plated	16	16-20	Machined
AT62-201-1631	Female Contact - Socket, Gold-plated	16	16-20	Machined
AT60-202-16141	Male Contact - Pin, Nickel-plated	16	16-20	Machined
AT62-201-16141	Female Contact - Socket, Nickel-plated	16	16-20	Machined
AT60-202-1631-22	Male Contact - Pin, Gold-plated	16	22-24	Machined
AT62-201-1631-22	Female Contact - Socket, Gold-plated	16	22-24	Machined
AT60-202-16141-22	Male Contact - Pin, Nickel-plated	16	22-24	Machined
AT62-201-16141-22	Female Contact - Socket, Nickel-plated	16	22-24	Machined

Tooling - Machined Contacts		
Part	**Part Number**	**Description**
	CA-5D12	Universal Hand Crimp Tool, Size 12/16/20 (Machined contacts only)
	CA-5E12	Pneumatic Crimp Tool, Size 12/16/20 (Machined contacts only)

Contact Removal Tools		
Part	**Part Number**	**Description**
	ATRT-100	Used for removal of contacts for A Series™ products
	AT11-310-1605	Contact Removal Tool, Plastic, Size 16
	A114017	Sealing Plug, Size 16, White

Stamped & Formed Contacts, Sockets & Pins				
Part Number	**Description**	**Size**	**AWG**	**Type**
AT60-14-0144	Male Contact - Pin, Gold-plated	16	14-16	Stamped & Formed
AT62-14-0144	Female Contact - Socket, Gold-plated	16	14-16	Stamped & Formed
AT60-14-0122	Male Contact - Pin, Nickel-plated	16	14-16	Stamped & Formed
AT62-14-0122	Female Contact - Socket, Nickel-plated	16	14-16	Stamped & Formed
AT60-16-0144	Male Contact - Pin, Gold-plated	16	16-18	Stamped & Formed
AT62-16-0144	Female Contact - Socket, Gold-plated	16	16-18	Stamped & Formed
AT60-16-0122	Male Contact - Pin, Nickel-plated	16	16-18	Stamped & Formed
AT62-16-0122	Female Contact - Socket, Nickel-plated	16	16-18	Stamped & Formed
AT60-16-0644	Male Contact - Pin, Gold-plated	16	18-20	Stamped & Formed
AT62-16-0644	Female Contact - Socket, Gold-plated	16	18-20	Stamped & Formed
AT60-16-0622	Male Contact - Pin, Nickel-plated	16	18-20	Stamped & Formed
AT62-16-0622	Female Contact - Socket, Nickel-plated	16	18-20	Stamped & Formed
AT60-16-0844	Male Contact - Pin, Gold-plated	16	20-22	Stamped & Formed
AT62-16-0844	Female Contact - Socket, Gold-plated	16	20-22	Stamped & Formed
AT60-16-0822	Male Contact - Pin, Nickel-plated	16	20-22	Stamped & Formed
AT62-16-0822	Female Contact - Socket, Nickel-plated	16	20-22	Stamped & Formed

Tooling - Stamped & Formed Contacts		
Part	**Part Number**	**Description**
	MFX-3950	Crimp Die - Size 16, 18-20AWG (S&F contacts only)
	MFX-3953	Crimp Die - Size 16, 16-18AWG (S&F contacts only)
	MFX-3975	Crimp Die - Size 16, 14-16AWG (S&F contacts only)
	MFX-3990	Crimp Die - Size 16, 20-22AWG (S&F contacts only)
	ATT-16-00	Hand Crimp Tool - Size 16, 14-16AWG (S&F contacts only)
	ATT-16-01	Hand Crimp Tool - Size 16, 18-20AWG (S&F contacts only)
	ATT-1612-03	Hand Crimp Tool - Size 16, 20-22AWG (S&F contacts only)

Amphenol Sine Systems
44724 Morley Drive
Clinton Township, MI 48036 USA
www.amphenol-sine.com
09/2021

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MagnaMate™ ATHP - DuraMate™ AHDP - DuraMate™ AHDM Series - Contact Size 12 Options

Machined Contacts, Sockets & Pins				
Part Number	**Description**	**Size**	**AWG**	**Type**
AT60-204-12141-10	Male Contact - Pin, Nickel-plated	12	10-12	Machined
AT62-203-12141-10	Female Contact - Socket, Nickel-plated	12	10-12	Machined
AT60-220-1231	Male Contact - Pin, Gold-plated	12	12-14	Machined
AT62-210-1231	Female Contact - Socket, Gold-plated	12	12-14	Machined
AT60-204-12141	Male Contact - Pin, Nickel-plated	12	12-14	Machined
AT62-203-12141	Female Contact - Socket, Nickel-plated	12	12-14	Machined

DiagnosticGrade™ Machined Contacts, Sockets & Pins • Smaller AWG for Diagnostic Applications • Gold-plated • Increased Mating Cycles • Cost-effective				
Part Number	**Description**	**Size**	**AWG**	**Type**
65-54749	Male Contact - DiagnosticGrade™, Pin, Gold-plated	12	20	Machined
AT62-210-1231-1820	Female Contact - DiagnosticGrade™, Socket, Gold-plated	12	20	Machined

Tooling - Machined Contacts		
Part	**Part Number**	**Description**
	CA-5D12	Universal Hand Crimp Tool, Size 12/16/20 (Machined contacts only)
	CA-5E12	Pneumatic Crimp Tool, Size 12/16/20 (Machined contacts only)

Contact Removal Tools		
Part	**Part Number**	**Description**
	AT11-337-1205	Contact Removal Tool, Plastic, Size 12
	A114017	Sealing Plug, Size 12, White

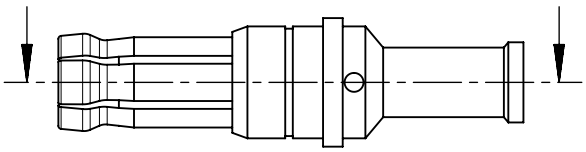
Stamped & Formed Contacts, Sockets & Pins				
Part Number	**Description**	**Size**	**AWG**	**Type**
AT60-12-0244	Male Contact - Pin, Gold-plated	12	10-12	Stamped & Formed
AT62-12-0244	Female Contact - Socket, Gold-plated	12	10-12	Stamped & Formed
AT60-12-0222	Male Contact - Pin, Nickel-plated	12	10-12	Stamped & Formed
AT62-12-0222	Female Contact - Socket, Nickel-plated	12	10-12	Stamped & Formed
AT60-12-0144	Male Contact - Pin, Gold-plated	12	12-14	Stamped & Formed
AT62-12-0144	Female Contact - Socket, Gold-plated	12	12-14	Stamped & Formed
AT60-12-0166	Male Contact - Pin, Nickel-plated	12	12-14	Stamped & Formed
AT62-12-0166	Female Contact - Socket, Nickel-plated	12	12-14	Stamped & Formed

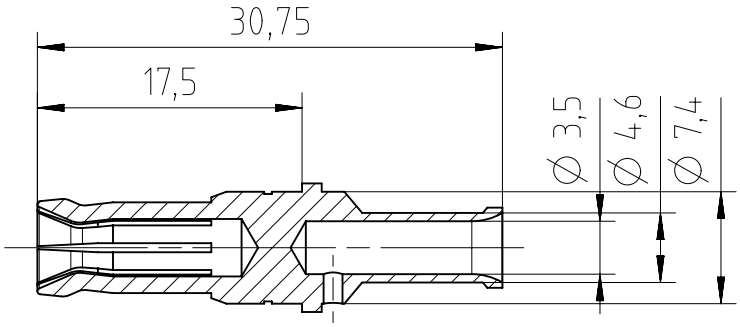
Tooling - Stamped & Formed Contacts		
Part	**Part Number**	**Description**
	MFX-3973	Crimp Die - Size 12 (S&F contacts only)
	MFX-3985	Crimp Die - Size 12 (S&F contacts only) 10-12AWG -02XX Series
	ATT-12-00	Hand Crimp Tool - Size 12, 12AWG (S&F contacts only)
	ATT-12-01	Hand Crimp Tool - Size 12, 10AWG (S&F contacts only)

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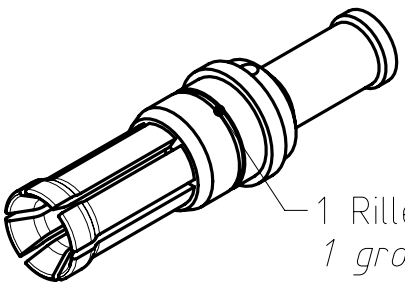
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Material: Kupferlegierung
material: copper alloy
Oberfläche: vernickelt
surface coating: nickel plated
Für Kontaktstift Ø 3,6mm
for male contact Ø 3,6mm

Anschlussquerschnitt: 6mm²
cross section: 6mm²



100 Stück in einem Beutel verpackt
100 pcs packed in one poly bag

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Gewicht (errechnet) / *Calc WT*:	Zul. Abw./ *Tolerances*:	Maßstab / *Scale*: 2:1	A4
Prüfmaß / *Testdimension*	ISO 2768-mH	DIN / ISO 13715	CUSTOMER DRAWING
Teileindex / *Partindexnumber*:			
Bagatelle change:			

Index	Änderung/ *Description*	Datum/ *Date*	Name
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03	201800125	01.03.2018	NPFEI
02	201800066	25.01.2018	NPFEI
01	201500766	31.03.2017	NPFEI

Gez. / Drawn	30.03.2017 AZN_NPFEIFFE
Status	Released
Gepr. / Checked	01.04.2019 MGRIMM

Amphenol Tuchel Industrial GmbH

Buchsenkontakt
female contact

M VN 02 036 0026 6

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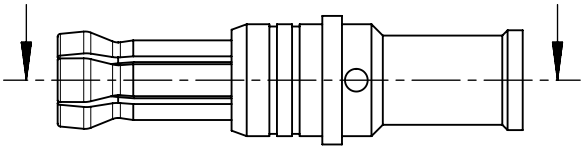
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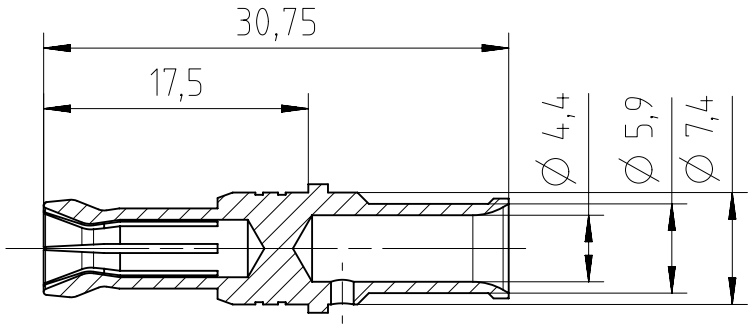
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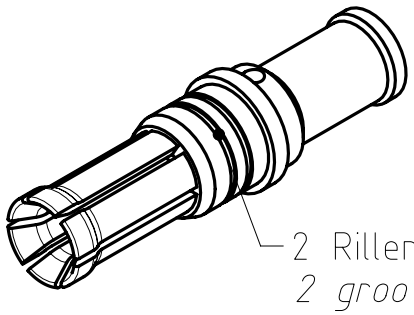




Material: Kupferlegierung
material: copper alloy
Oberfläche: vernickelt
surface coating: nickel plated
Für Kontaktstift Ø 3,6mm
for male contact Ø 3,6mm

Anschlussquerschnitt: 10mm²
cross section: 10mm²

100 Stück in einem Beutel verpackt
100 pcs packed in one poly bag



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Gewicht (errechnet) / *Calc WT* :	Zul. Abw./ *Tolerances* :	Maßstab / *Scale* : 2:1	A4
Prüfmaß / *Testdimension*	ISO 2768-mH	DIN / ISO 13715	CUSTOMER DRAWING
Teileindex / *Partindexnumber:*			
Bagatelle change:			

Index	Änderung/ *Description*	Datum/ *Date*	Name
04	201900099	01.04.2019	MTOLK
03	201800125	01.03.2018	NPFEI
02	201800066	25.01.2018	NPFEI
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Gez. / Drawn	30.03.2017 AZN_NPFEIFFE
Status	Released
Gepr. / Checked	01.04.2019 MGRIMM

Amphenol Tuchel Industrial GmbH

Buchsenkontakt
female contact

M VN 02 036 0027 6

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Ers. f. / *Replacement for* :

NXM-V03 FA12019-000905

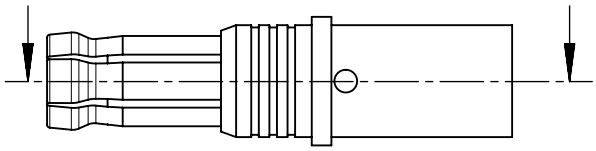
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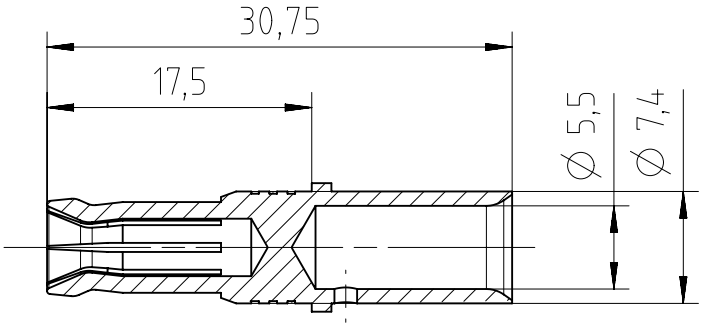
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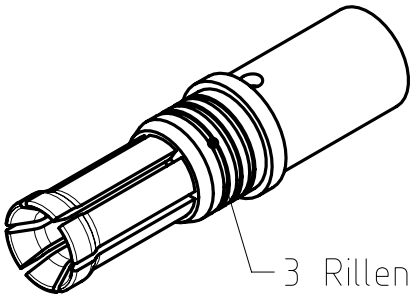




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Oberfläche: vernickelt
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Für Kontaktstift Ø 3,6mm
for male contact Ø 3,6mm

Anschlussquerschnitt: 16mm²
cross section: 16mm²

100 Stück in einem Beutel verpackt
100 pcs packed in one poly bag



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Prüfmaß / *Testdimension*		ISO 2768-mH	
Teileindex / *Partindexnumber*:			
Bagatelle change:			

Maßstab / *Scale*: 2:1 | A4

CUSTOMER DRAWING

Gez.	30.03.2017
Drawn	AZN_NPFEIFFE
Status	Released
Gepr.	01.04.2019
Checked	MGRIMM

Buchsenkontakt
female contact

Index	Änderung/ *Description*	Datum/ *Date*	Name
04	201900099	01.04.2019	MTOLK
03	201800125	01.03.2018	NPFEI
02	201800066	25.01.2018	NPFEI
01	201500766	31.03.2017	NPFEI

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NXM-V03 | FA12019-000907

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