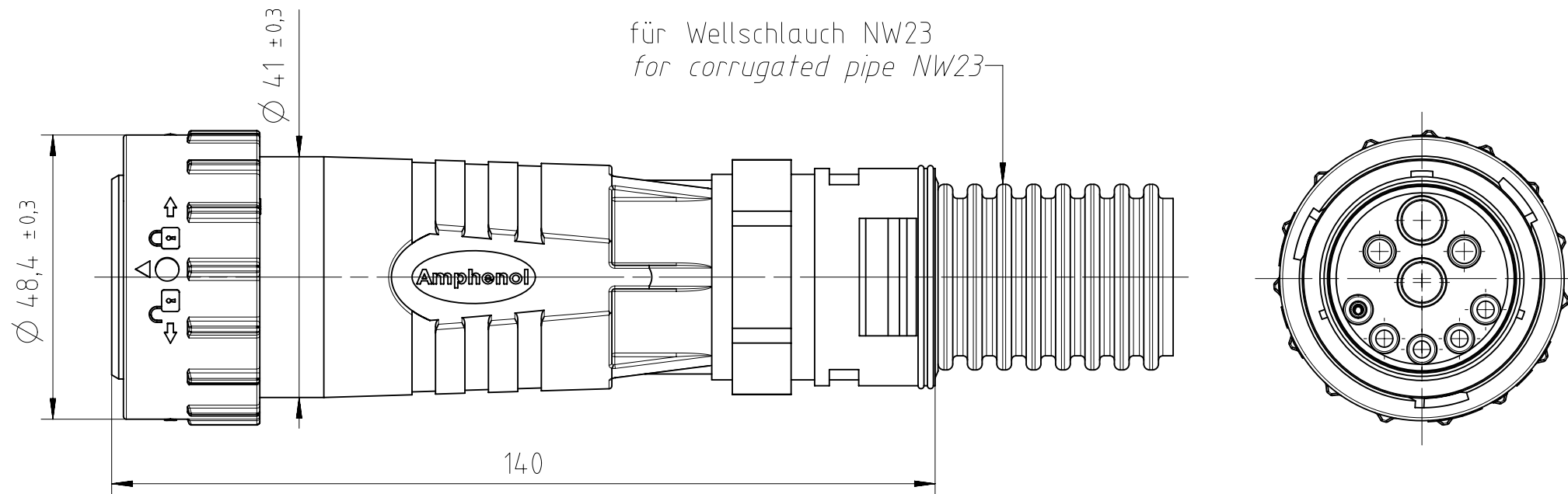
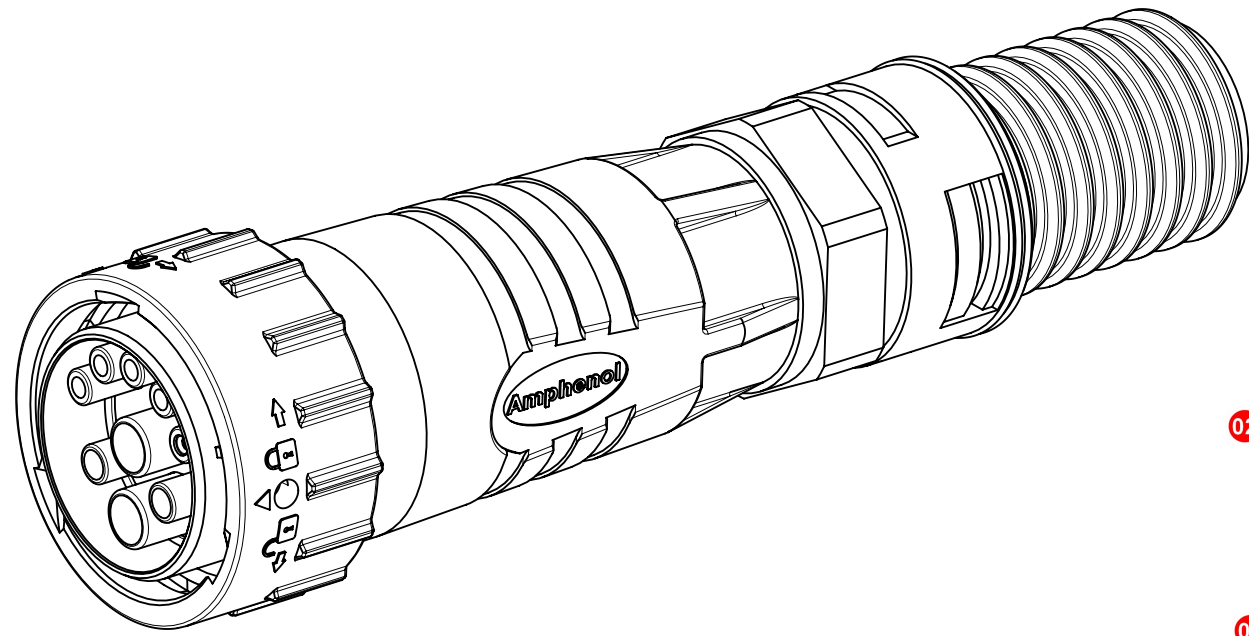
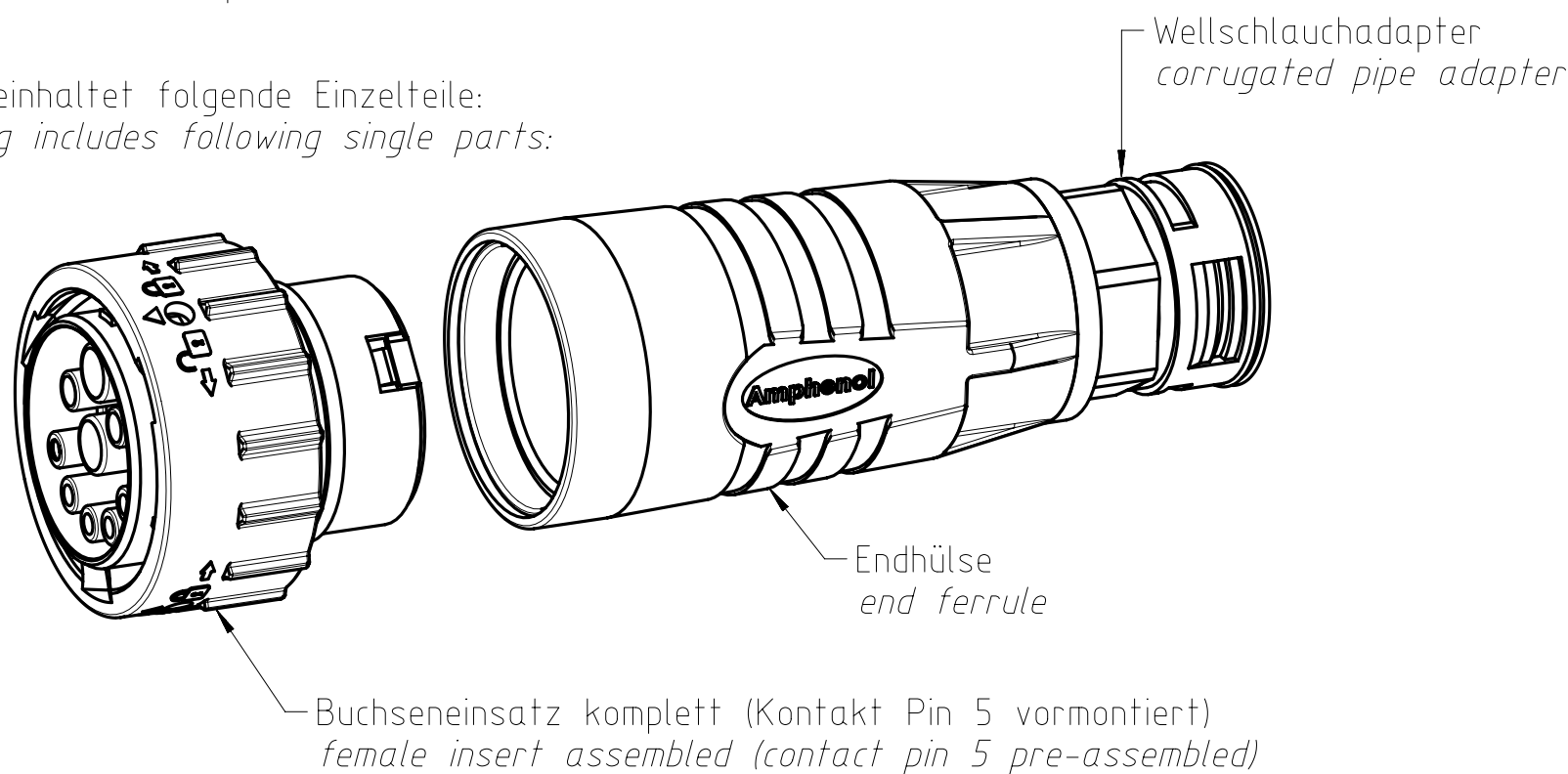




02 Beutel beinhaltet folgende Einzelteile:
Packaging includes following single parts:



02 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

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3		2		1	
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 (6mm ²) 2x60A (10mm ²) 2x75A (16mm ²) 2x15A (2,5mm ²) 4x5A (0,5mm ²)			
Max. Strombelastbarkeit der Kontakte bei +40°C max. current carrying capacity of contacts at +40°C		2x50A (6mm ²) / 2x70A (10mm ²) / 2x80A (16mm ²) 2x25A (2,5mm ²)			
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 Wellrohradapter material corrugated pipe adapter		Polyamid schwarz, UL94V-0 polyamide black, UL94V-0			
Werkstoff Kontakte + Oberfläche material contacts + surface		Kupferlegierung, vernickelt copper alloy, nickel plated			
Verriegelung locking		Bajonett Bayonet			

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

Version frei konfektionierbar mit Wellenschlauchadapter
(Wellenschlauch wird nicht mitgeliefert)
version free assembly with corrugated pipe adapter
(corrugated pipe not included)

Crimpausrüstung siehe Montageanleitung
- N 22 000 0028 (6mm²)
- N 22 000 0029 (10mm²)
- N 22 000 0030 (16mm²)
equipment for crimping according to assembly instruction
- N 22 000 0028 (6mm²)
- N 22 000 0029 (10mm²)
- N 22 000 0030 (16mm²)

Gewicht (errechnet) / Calc. WT.:				Zul. Abw./Tolerances:		Maßstab / Scale: 1:1		A2				
Prüfmaß / Testdimension				ISO 2768-c		DIN / ISO 13715		CUSTOMER DRAWING				
Teileindex / Partindexnumber:												
Bagatelle change:												
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				Drawn	RSCHAEDEL							
				Status	Released							
				Gepr.	18.07.2019							
				Checked	MGRIMM							
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01	201500766	21.04.2017	RSCHA								1 Bl.	
Index	Änderung/Description		Datum/Date		Name		Ers. f. / Replacement for:					

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 (\$&F contacts only)
	MFX-3953	Crimp Die - Size 16, 16-18AWG (\$&F contacts only)
	MFX-3975	Crimp Die - Size 16, 14-16AWG (\$&F contacts only)
	MFX-3990	Crimp Die - Size 16, 20-22AWG (\$&F contacts only)
	ATT-16-00	Hand Crimp Tool - Size 16, 14-16AWG (\$&F contacts only)
	ATT-16-01	Hand Crimp Tool - Size 16, 18-20AWG (\$&F contacts only)
	ATT-1612-03	Hand Crimp Tool - Size 16, 20-22AWG (\$&F contacts only)

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

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

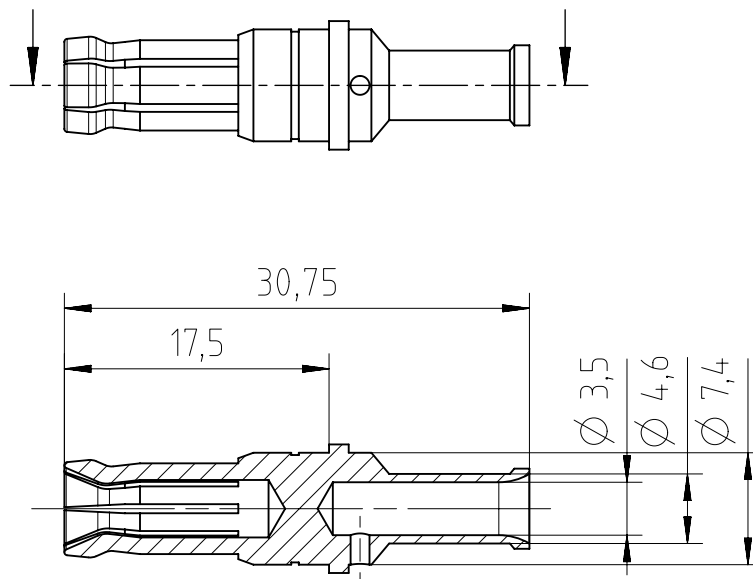
Stamped & Formed Contacts, Sockets & Pins				
Part Number	Description	Size	AWG	Type
AT60-12-0244	Male Contact - Pin, Gold-plated	12	10-12	Stamped & Formed
AT62-12-0244	Female Contact - Socket, Gold-plated	12	10-12	Stamped & Formed
AT60-12-0222	Male Contact - Pin, Nickel-plated	12	10-12	Stamped & Formed
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
	MXF-3973	Crimp Die - Size 12 (S&F contacts only)
	MXF-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)

Amphenol Sine Systems
 44724 Morley Drive
 Clinton Township, MI 48036 USA
www.amphenol-sine.com
 01/2022

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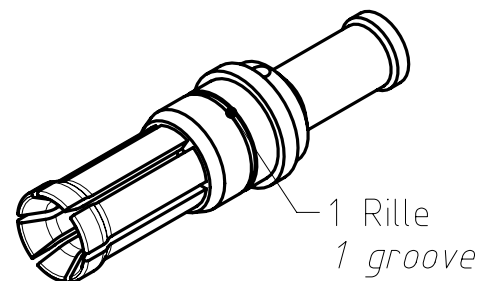
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Material: Kupferlegierung
material: copper alloy
Oberfläche: vernickelt
surface coating: nickel plated
Für Kontaktstift $\varnothing 3,6\text{mm}$
for male contact $\varnothing 3,6\text{mm}$

Anschlussquerschnitt: 6mm^2
cross section: 6mm^2

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

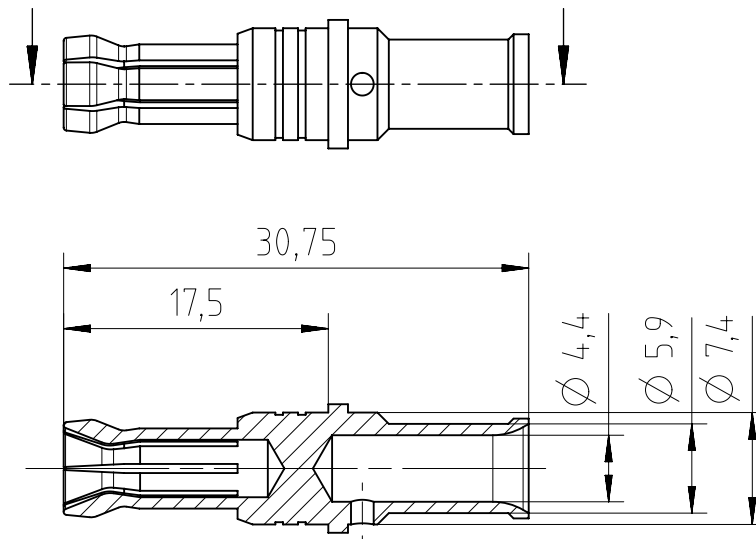


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Gewicht (errechnet) / Calc WT:				Zul. Abw./Tolerances:				Maßstab / Scale : 2:1		A4								
Prüfmaß / Testdimension								CUSTOMER DRAWING										
Teileindex / Partindexnumber:																		
Bagatelle change:																		
				Gez.	30.03.2017		Buchsenkontakt <i>female contact</i>											
				Drawn	AZN_NPFEIFFE													
				Status	Released													
				Gepr.	01.04.2019													
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02	201800066	25.01.2018	NPFEI															
01	201500766	31.03.2017	NPFEI															
Index	Änderung/Description		Datum/Date	Name				Ers. f. / Replacement for :										

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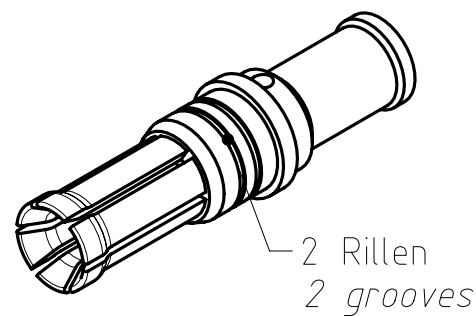
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Material: Kupferlegierung
material: copper alloy
Oberfläche: vernickelt
surface coating: nickel plated
Für Kontaktstift Ø 3,6mm
for male contact Ø 3,6mm

Anschlussquerschnitt: 10mm²
cross section: 10mm²

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



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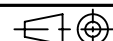
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Prüfmaß / Testdimension
Teileindex / Partindexnumber:
Bagatelle change:

Zul. Abw./Tolerances :
ISO 2768-mH



Maßstab / Scale : 2:1

A4



CUSTOMER DRAWING

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02	201800066	25.01.2018	NPFEI
01	201500766	31.03.2017	NPFEI

Gez. 30.03.2017
Drawn AZN.NPFEIFFE
Status Released
Gepr. 01.04.2019
Checked MGRIMM

Buchsenkontakt
female contact

Amphenol Tuchel
Industrial GmbH

M VN 02 036 0027 6

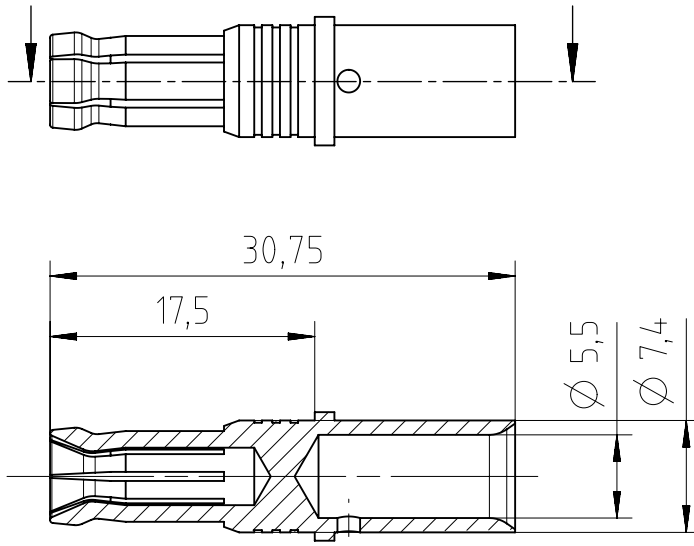
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Index Änderung / Description Datum / Date Name

Ers. f. / Replacement for :

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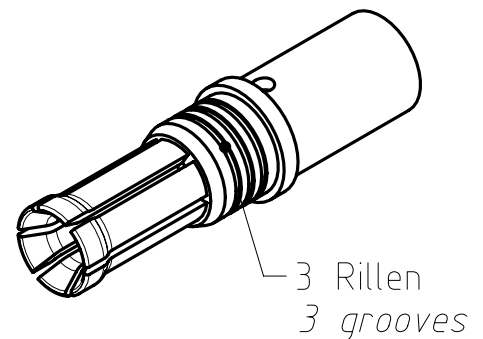
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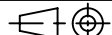
Material: Kupferlegierung
material: copper alloy
Oberfläche: vernickelt
surface coating: nickel plated
Für Kontaktstift $\varnothing 3,6\text{mm}$
for male contact $\varnothing 3,6\text{mm}$

Anschlussquerschnitt: 16mm^2
cross section: 16mm^2

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							CUSTOMER DRAWING				
Teileindex / Partindexnumber:				ISO 2768-mH							
Bagatelle change:											
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