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Please find attached the related material

For your convenience, the below describes the related updates:

E511333-Vol1-AuthorizationPage
E511333-vol1-ListingMarkData
E511333-vol1-Index
E511333-20230630-Description
Illustration-9-Total

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Times change, Trust Remains™

FOLLOW-UP SERVICE PROCEDURE
(TYPE R)POWER DISTRIBUTION BLOCKS
(QPQS, QPQS7)

Manufacturer:	SEE ADDENDUM FOR MANUFACTURER LOCATIONS
Applicant: (730013-001)	102513 (Party Site) Weidmueller Interface GmbH & Co. KG Klingenbergstrasse 26 Detmold 32758 DE
Listee/Classified Company: (730013-001)	102513 (Party Site) SAME AS APPLICANT

Use of the Mark

This Follow-Up Service Procedure authorizes the above Manufacturer(s) to use the marking specified by UL LLC, or any authorized licensee of UL LLC, including the UL Contracting Party, only on products when constructed, tested and found to be in compliance with the requirements of this Follow-Up Service Procedure and in accordance with the terms of the applicable service agreement with UL Contracting Party. The UL Contracting Party for Follow-Up Services is listed in the addendum to this Follow-Up Service Procedure ("UL Contracting Party"). UL Contracting Party and UL LLC are referred to jointly herein as "UL."

It is the responsibility of the Applicant, Manufacturer(s), and Listee/Classified Company to make sure that only the products meeting the aforementioned requirements bear the authorized Marks of UL LLC, or any authorized licensee of UL LLC.

Additional Responsibilities

Additional responsibilities, duties and requirements for the Applicant and Manufacturers are defined under Additional Resources at the following website: <https://www.ul.com/fus>. Manufacturers without Internet access may obtain the current version of these documents from their local UL customer service representative or UL field representative. For assistance, or to obtain a paper copy of these documents or the Follow-Up Service Terms referenced below, please contact UL's Customer Service at <https://www.ul.com/aboutul/locations/>, select a location and enter your request, or call the number listed for that location.

Acceptance of Follow-Up Services

The Applicant and the specified Manufacturer(s) and any Listee/Classified Company in this Follow-Up Service Procedure must agree to receive Follow-Up Services from UL Contracting Party. If your applicable service agreement is a Global Services Agreement ("GSA"), the Applicant, the specified Manufacturer(s), and any Listee/Classified Company will be bound to a Service Agreement for Follow-Up Services upon the earliest by any Subscriber of a) use of the prescribed UL Mark, b) acceptance of the factory inspection, or c) payment of the Follow-Up Service fees. The Service Agreement incorporates such GSA, this Follow-Up Service Procedure and the Follow-Up Service Terms which can be accessed by clicking the following link: <https://www.ul.com/resources/contracts/follow-up-service-terms>. In all other events, Follow-Up Services will be governed by and incorporate the terms of your applicable service agreement and this Follow-Up Service Procedure.

Use and Ownership of the Follow-Up Service Procedure

This Follow-Up Service Procedure, and any subsequent revisions, is the property of UL and is not transferable. This Follow-Up Service Procedure contains confidential information for use only by the Applicant, the specified Manufacturer(s), and representatives of UL and is not to be used for any other purpose. It is provided to the Subscribers with the understanding

that it is not to be copied, either wholly or in part unless specifically allowed, and that it will be returned to UL, upon request.

Definition of Terms

Capitalized terms used but not defined herein have the meanings set forth in the GSA and the applicable Service Terms or any other applicable UL service agreement.

No Third Party Liability

UL shall not incur any obligation or liability for any loss, expense or damages, including incidental, consequential or punitive damages arising out of or in connection with the use or reliance upon this Follow-Up Service Procedure to anyone other than the above Manufacturer(s) as provided in the agreement between UL LLC or an authorized licensee of UL LLC, including UL Contracting Party, and the Manufacturer(s).

Certification Body

UL LLC has signed below solely in its capacity as the certification body to indicate that this Follow-Up Service Procedure fulfills the requirements for certification documentation issued by the certification body. The certification body's accreditation status for the applicable certification scheme and identification of the accreditation body can be found at <https://www.ul.com/resources/accreditation>.

Deborah Jennings-Conner
VP Regulatory Services
UL LLC

LOCATION

(730013-001) 102513 (Party Site)
Weidmueller Interface GmbH & Co. KG
Klingenbergstrasse 26
Detmold 32758 DE

Factory ID: None
UL Contracting Party for above site is: UL GmbH

(730013-001) 102513 (Party Site)
Weidmueller Interface GmbH & Co. KG
Klingenbergstrasse 26
Detmold 32758 DE

Factory ID: None
UL Contracting Party for above site is: UL GmbH

(FILE IMMEDIATELY AFTER AUTHORIZATION PAGE)

LISTING MARK

The Listing Mark consists of four elements placed in close proximity and shall appear on Listed products only.

The word "LISTED" shall be in either the four or six o'clock position with respect to the UL symbol (see example below). Minimum size of the Listing Mark is not specified, as long as it is legible. The minimum height of the registered trademark symbol ® shall be 3/64 of an inch. When the overall diameter of the UL symbol is less than 3/8 of an inch, the trademark symbol may be omitted if it is not legible. Camera-ready artwork and relative proportions are available online at www.ul.com.



XXXX = The control number assigned by UL, E511333 .

The product identity is: "POWER DISTRIBUTION BLOCK."

The complete four-element Listing Mark shall appear on the smallest unit container in which the product is packaged, with the UL symbol stamped, cast or molded into the product.

A separable Listing Mark (not part of a nameplate and in the form of decals, stickers or labels) shall always include the four elements.

PROCUREMENT

The manufacturer may reproduce the Mark or obtain it from an authorized label supplier. Authorized label suppliers can be found online at www.ul.com.

(FILE IMMEDIATELY AFTER AUTHORIZATION PAGE)

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The Canadian/US symbol shall be used if both Canadian and US coverage is authorized (see example below).



The Canadian symbol shall be used if only Canadian coverage is authorized (see example below).



XXXX = The control number assigned by UL, E511333

The product identity is: "POWER DISTRIBUTION BLOCK."

The complete four-element Listing Mark shall appear on the smallest unit container in which the product is packaged, with the UL symbol stamped, cast or molded into the product.

A separable Listing Mark (not part of a nameplate and in the form of decals, stickers or labels) shall always include the four elements.

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THIS PAGE SHALL BE REVISED BY UL LABEL OPERATIONS ONLY

INDEX

Model Designation(s)	Section	Report Date	Requirements Evaluated to (US and/or CN)
Power Distribution Blocks, Cat. Nos. WPD111 and WPD113	1	2023-06-30	US, CN

File E511333
Project 4790758595

June 30, 2023

REPORT

on

Power Distribution Blocks

Weidmüller Interface GmbH & Co. KG
Detmold, DE

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DESCRIPTION

PRODUCT COVERED:

USL, CNL - Power Distribution Blocks, Cat. Nos. WPD111 and WPD113

GENERAL:

These power distribution blocks are intended to be used in accordance with the National Electrical Code, NFPA 70. These devices are used for splicing and tapping conductors in order to distribute power to separate circuits or loads.

Power distribution blocks, Cat. Nos. WPD111 and WPD113 have been evaluated for use only on the load side of service equipment.

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

USL - Products designated USL have been investigated using US requirements as noted in the Test Record.

CNL - Products designated USL have been investigated using Canadian requirements as noted in the Test Record.

RATINGS:

Electrical Ratings:

Copper Wire

Cat. No.	Voltage [V]	Line / Load	No. of terminals	Wire-Range [AWG/kcmil]	Current [A]	Tight. Torque (Nm)	Minimum Enclosure Size AxBxC, (mm)
WPD111	1000	Line	1	4/0 - 6 str	230	22.6	95mm (height) x 156mm (width) x 156mm (length)
		B Load	2	2 - 8 str 10-12 sol/str	115	14.1	
		T Load	2	2 - 8 str 10-12 sol/str	115	14.1	
WPD113	1000	Line A	1	350 kcmil - 3/0 AWG	310	28.2	106mm (height) x 234mm (width) x 177mm (length)
		Line B	1	300 kcmil - 2/0 AWG	285	28.2	
		B Load T Load	4 <u>for each load (8 total)</u>	2 - 8 AWG str 10-12 AWG sol/str	115	14.1	

Strip length Cat. No. WPD111 line 21 mm
 Strip length Cat. No. WPD111 load Bottom and Top 16 mm
 Strip length Cat. No. WPD113 line A 33 mm
 Strip length Cat. No. WPD113 line B 28 mm
 Strip length Cat. No. WPD113 load Bottom and Top 16 mm

Aluminum Wire

Cat. No.	Voltage [V]	Line / Load	No. of terminals	Wire-Range [AWG/kcmil]	Current [A]	Tight. Torque (Nm)	Minimum Enclosure Size AxBxC, in (mm)
WPD111	1000	Line	1	4/0-6 AWG str	180	22.6	95mm(height) x 156mm(width) x 156mm(length)
		B Load T Load	2	2 - 6 AWG str	90	14.1	
		T load					
WPD113	1000	Line A	1	350 kcmil - 3/0 AWG str	250	45	106mm(height) x 234mm(width) x 177mm(length)
		Line B	1	300 kcmil - 2/0 AWG str	230	45	
		B Load T Load	4 <u>for each load</u> (8 total)	2 - 6 AWG str	90	14.1	

Strip length Cat. No. WPD111 line 21 mm
 Strip length Cat. No. WPD111 load Bottom and Top 16 mm
 Strip length Cat. No. WPD113 line A 33 mm
 Strip length Cat. No. WPD113 line B 28 mm
 Strip length Cat. No. WPD113 load Bottom and Top 16 mm

Cat. No.	Suitable Conductors kcmil/AWG, copper		Overcurrent Protection Fuse Required Class/Max Amp Rating								SCCR, RMS Sym, kA	Max. Volts
	Line	Load	G	J,T	RK1	RK5	CC	CD	L	C		
WPD111	6 - 4/0	12-2 Top and Bottom tier	60	400	200	100	30	60	400	200	200	600
WPD113	3/0 - 350	12-2 Top and Bottom tier	60	400	200	100	30	60	400	200	200	600

CONSTRUCTION DETAILS:

The product shall be constructed in accordance with the following description.

Corrosion Protection - All parts are of corrosion resistant material or suitably plated to resist corrosion.

Spacings - The following minimum spacings in millimeters are maintained between:

- a) uninsulated live parts of opposite polarity,
- b) uninsulated live parts, and uninsulated grounded parts other than the enclosure or exposed metal parts including to the enclosure.

Cat No.	Between uninsulated live parts of opposite polarity		Between uninsulated live parts and any grounded dead metal including the enclosure	
	Through Air	Over Surface	Through Air	Over Surface
	[mm]	[mm]	[mm]	[mm]
WPD111	25.4	50.8	25.4	25.4
WPD113	25.4	50.8	25.4	25.4

MARKINGS:

A power distribution block shall be marked with the:

- a) manufacturer's name, trademark, or other descriptive marking by which the organization responsible for the product may be identified;
- b) catalog number;
- c) ampere ratings;
- d) voltage rating;
- e) frequency (ac) and the number of phases;
- f) wire size range for each connector;
- g) tightening torque or torques for a connector;
- h) AL-CU or CU-AL;
- i) 75°C [7 in place of the hyphen in item h above];
- j) wiring based on 75°C ampacity.

Installation instructions should include installation with end-brackets Cat. No. WEW 35/2, manufactured by Weidmueller Interface GmbH & Co.KG.

A power distribution block with a short circuit rating greater than 10,000 amperes rms shall be marked with:

- a) "Short-Circuit Current Rating" and the rms symmetrical or dc rating short circuit in amperes;
- b) the maximum voltage rating for each short-circuit current rating;
- c) For power distribution blocks not rated for use on the line side of the service equipment: "When protected by (1) ampere maximum Class (2) fuse, this power distribution block is rated for use on a circuit capable of delivering no more than (3) rms symmetrical amperes (4) volts maximum".

- 1) Fuse ampere rating
- 2) Fuse designation (G, J, T, RK1, RK5, CC, CD, L, C)
- 3) Short Circuit rating in amperes.
- 4) Circuit voltage

The information sheet supplied within the unit container of the power distribution block shall be marked with the:

- a) manufacturer's name, trademark, or other descriptive marking by which the organization responsible for the product may be identified;
- b) catalog number; and
- c) minimum enclosure size of A x B x C in. for which the power distribution block is rated, where A, B, and C correspond to the minimum enclosure size in accordance with the ratings tables.

Permanence of Markings - Required markings are either:

- a) etched,
- b) molded,
- c) die stamped,
- d) paint stenciled,
- e) stamped or etched metal that is permanently secured, or
- f) indelibly stamped on a pressure sensitive label complying with UL 969.

Cat. No. WPD111

General - The general design, shape, and arrangement shall be as illustrated except where variations are specifically described. One pole power distribution block. The line side of the device has (1) conductor opening that accepts 4/0 - 6 AWG wires. The load side of the devices has 4 conductor openings in 2 levels Top and Bottom, two each of them, each accepts 2 - 8 AWG str and 10 - 12 AWG sol/ str for copper wires. Refer to ratings Table for Aluminum conductors.

1. Housing - R/C plastic (QMFZ2), Any color accepted by UL Yellow Card, except green-and-yellow color, Grade LATAMID 6 H2 G/20-V2HF(f2) (q) (r) (E54080) manufactured by LATI INDUSTRIA TERMOPLASTICI SPA. Minimum thickness of 1.5 mm. For shape and dimensions see Ill. No. 1.

When the insulation parts are molded or fabricated from a material with a percentage of regrind materials higher than specified on the QMFZ2 card, blending of material, use of pigment, colorants, flame retardants, or similar means, the parts shall be Recognized Component Fabricated Parts (QMMY2) and meet the following criteria. When a Recognized Component Fabricated Part is involved, the molder's ID should be on the part, on the parts carton or on a specification sheet with the carton when not molded in the same factory as that for the terminal block. Also, on the part, shipping carton, specification sheet with the carton or invoice should be a parts ID (original equipment manufacturer's part designation), molding date and material ID.

2. Cover - R/C plastic (QMFZ2), Any color accepted by UL Yellow Card, except green-and-yellow color, Grade CFR7630(f1), manufactured by SABIC INNOVATIVE PLASTICS B V (E45329). May be colored with colorant type Masterbatch blue, black, red, green or yellow, manufactured by Albert GmbH & Co. KG, with maximum concentration of 2.5%. Part not in direct contact with live parts. Minimum thickness of 1.0 mm. For shape and dimensions see Ill. No. 2.

When the insulation parts are molded or fabricated from a material with a percentage of regrind materials higher than specified on the QMFZ2 card, blending of material, use of pigment, colorants, flame retardants, or similar means, the parts shall be Recognized Component Fabricated Parts (QMMY2) and meet the following criteria. When a Recognized Component Fabricated Part is involved, the molder's ID should be on the part, on the parts carton or on a specification sheet with the carton when not molded in the same factory as that for the terminal block. Also, on the part, shipping carton, specification sheet with the carton or invoice should be a parts ID (original equipment manufacturer's part designation), molding date and material ID.

3. Terminal Body - Nickel or Tin plated Copper alloy, 45 mm long, 36 mm wide and 26 mm high. Wire entry hole dimensions and terminal descriptions for "LINE" and "LOAD" are as follows:

"LINE" Terminal - One 15 mm diameter wire entry hole. See Ill. No. 3 for construction details.

"LOAD" Terminals - four 8.9 mm diameter wire entry holes for Top and Bottom, 2 each level. See Ill. No. 3 for construction details.

4. "LINE" Terminal Screw - two hexagon socket set screw Steel grade 45H M12x16. See Ill. No. 4.
5. "LOAD" Terminal Screws - eight hexagon socket set screw Steel grade 45H. See table below and Ill. No. 5 for construction details.

Location	Screw Type	No. of Screws
Load Top	M8x10	2
Load Bottom	M8x10	2

Cat. No. WPD113

General - The general design, shape, and arrangement shall be as illustrated except where variations are specifically described. One pole power distribution block. The line side of the device has (2) conductor opening that accepts 350 kcmil-3/0 AWG wires (line A) and 300 Kcmil - 2/0 AWG wires (line B). The load side of the devices has (8) conductor openings in 2 levels Top and Bottom, four each of them, accepts 2 - 8 AWG str and 10 - 12 AWG sol/ str for copper wires. Refer to ratings Table for Aluminum conductors.

1. Housing - R/C plastic (QMFZ2), Any color accepted by UL Yellow Card, except green-and-yellow color, Grade LATAMID 6 H2 G/20-V2HF(f2) (q) (r) (E54080) manufactured by LATI INDUSTRIA TERMOPLASTICI SPA. Minimum thickness of 1.5 mm. For shape and dimensions see Ill. No. 6

When the insulation parts are molded or fabricated from a material with a percentage of regrind materials higher than specified on the QMFZ2 card, blending of material, use of pigment, colorants, flame retardants, or similar means, the parts shall be Recognized Component Fabricated Parts (QMMY2) and meet the following criteria. When a Recognized Component Fabricated Part is involved, the molder's ID should be on the part, on the parts carton or on a specification sheet with the carton when not molded in the same factory as that for the terminal block. Also, on the part, shipping carton, specification sheet with the carton or invoice should be a parts ID (original equipment manufacturer's part designation), molding date and material ID.

2. Cover - R/C plastic (QMFZ2), Any color, except green-and-yellow color, Grade CFR7630(f1), manufactured by SABIC INNOVATIVE PLASTICS B V (E45329). May be colored with colorant type Masterbatch blue, black, red, green or yellow, manufactured by Albert GmbH & Co. KG, with maximum concentration of 2.5%. Part not in direct contact with live parts. Minimum thickness of 1.0 mm. For shape and dimensions see Ill. No. 7

When the insulation parts are molded or fabricated from a material with a percentage of regrind materials higher than specified on the QMFZ2 card, blending of material, use of pigment, colorants, flame retardants, or similar means, the parts shall be Recognized Component Fabricated Parts (QMMY2) and meet the following criteria. When a Recognized Component Fabricated Part is involved, the molder's ID should be on the part, on the parts carton or on a specification sheet with the carton when not molded in the same factory as that for the terminal block. Also, on the part, shipping carton, specification sheet with the carton or invoice should be a parts ID (original equipment manufacturer's part designation), molding date and material ID.

3. Terminal Body - Nickel or Tin plated Copper alloy, 67 mm long, 53 mm wide and 43 mm high. Wire entry hole dimensions and terminal descriptions for "LINE" and "LOAD" are as follows:

"LINE" Terminal - One 19.5 mm diameter wire entry hole for line A and 18 mm for line B. See Ill. No. 8 for construction details.

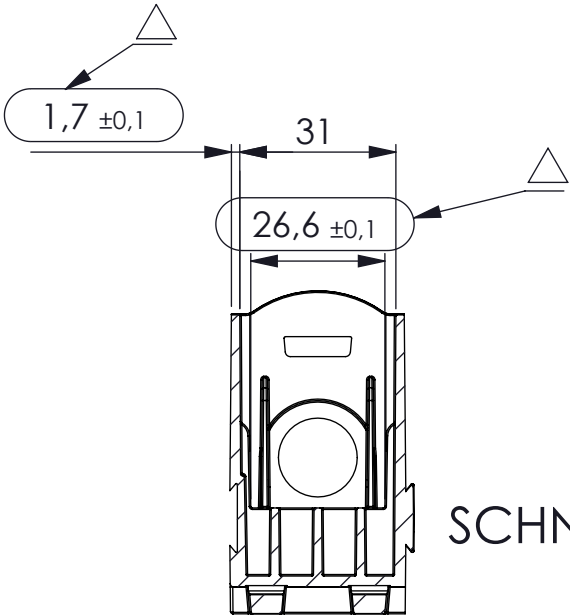
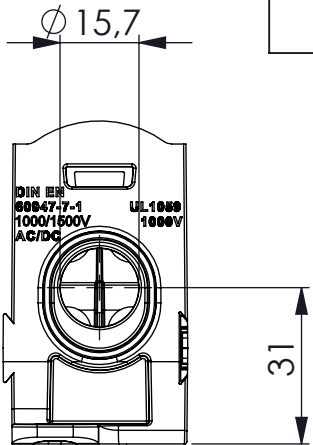
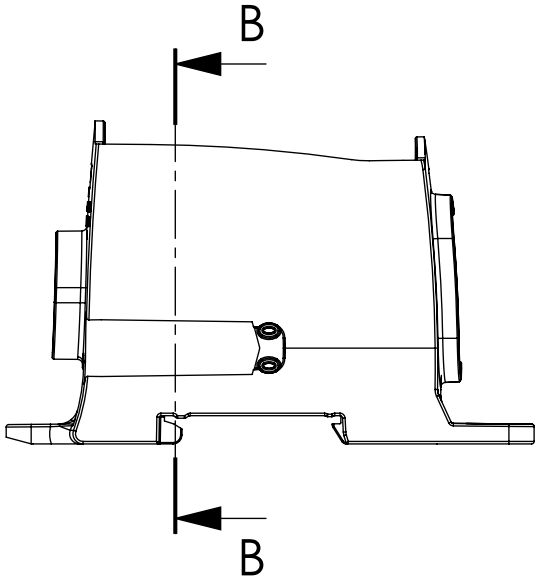
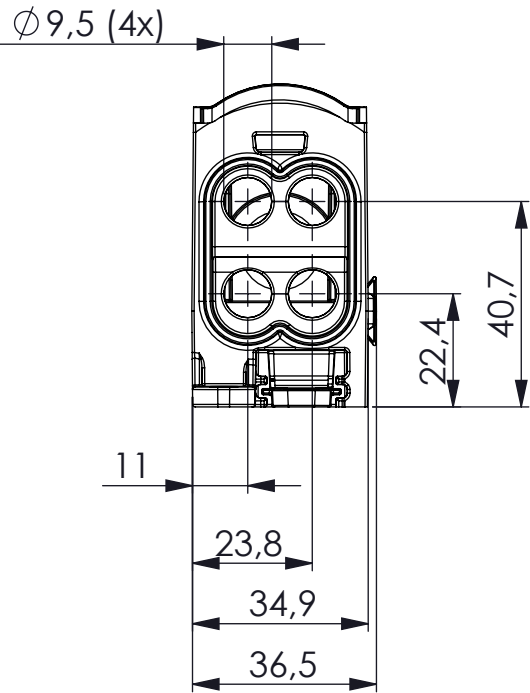
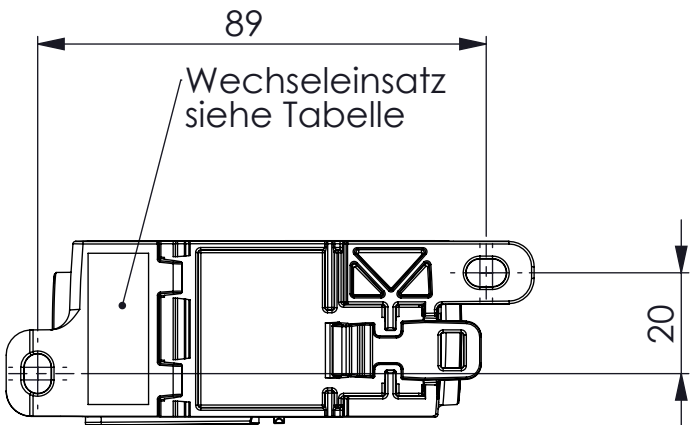
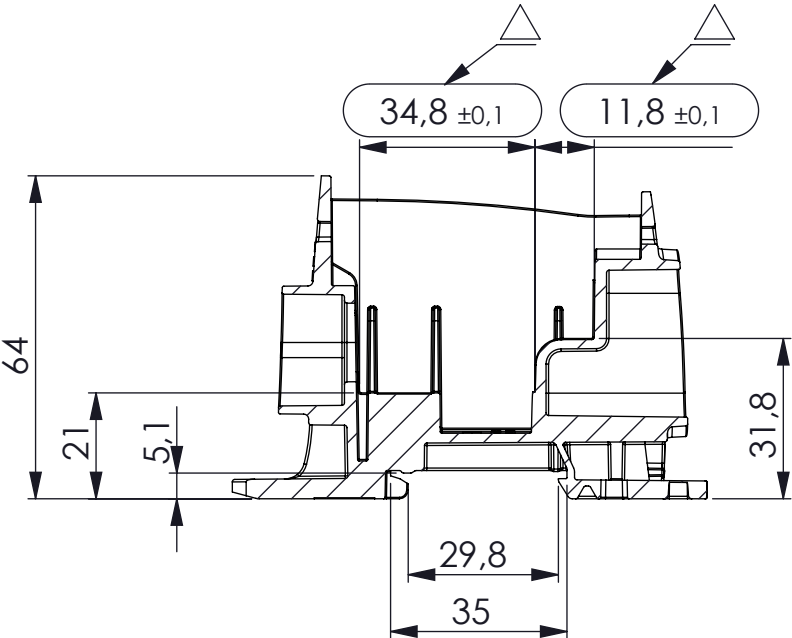
"LOAD" Terminals - eight 8.9 mm diameter wire entry holes for Top and Bottom, 4 each level. See Ill. No. 8 for construction details.

4. "LINE" Terminal Screw - two hexagon socket set screw Steel grade 45H M16x1.5X20. See Ill. No. 9.
5. "LOAD" Terminal Screws - eight hexagon socket set screw Steel grade 45H. See table below and Ill. No. 5 for construction details.

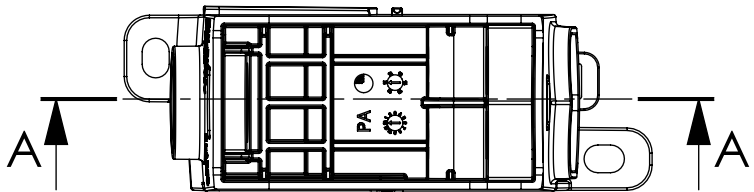
Location	Screw Type	No. of Screws
Load Top	M8x10	4
Load Bottom	M8x10	4

The following Page(s) are related to Illustration-1. The next supplement, if applicable, will be identified with a new Supplement Page Heading

SCHNITT A-A

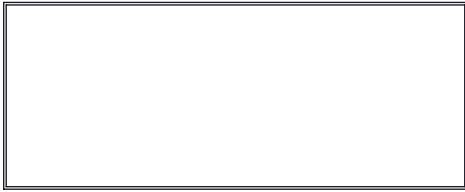


SCHNITT B-B

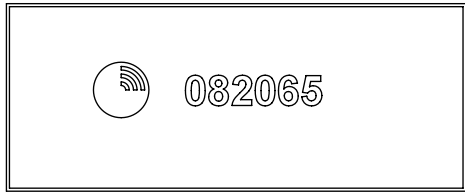


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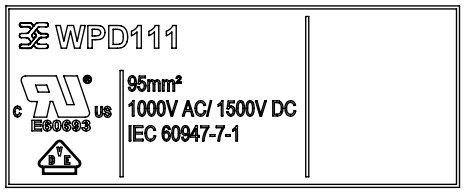
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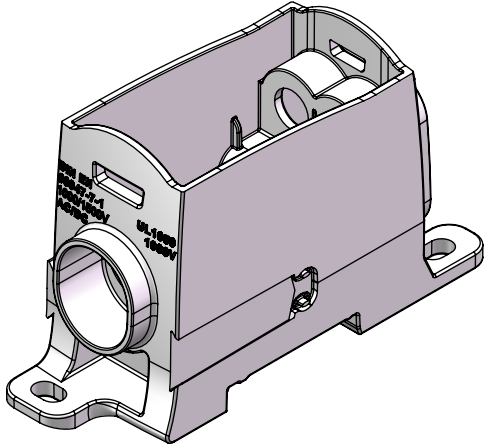


.... = Prüfmaß

△ = wichtiges Merkmal

muss mit 519061 verbaubar sein
Farbe lichtgrau RAL 7035
Grat- und Schwimmhaut frei
kein Regranulat erlaubt

lichtgrau RAL 7035

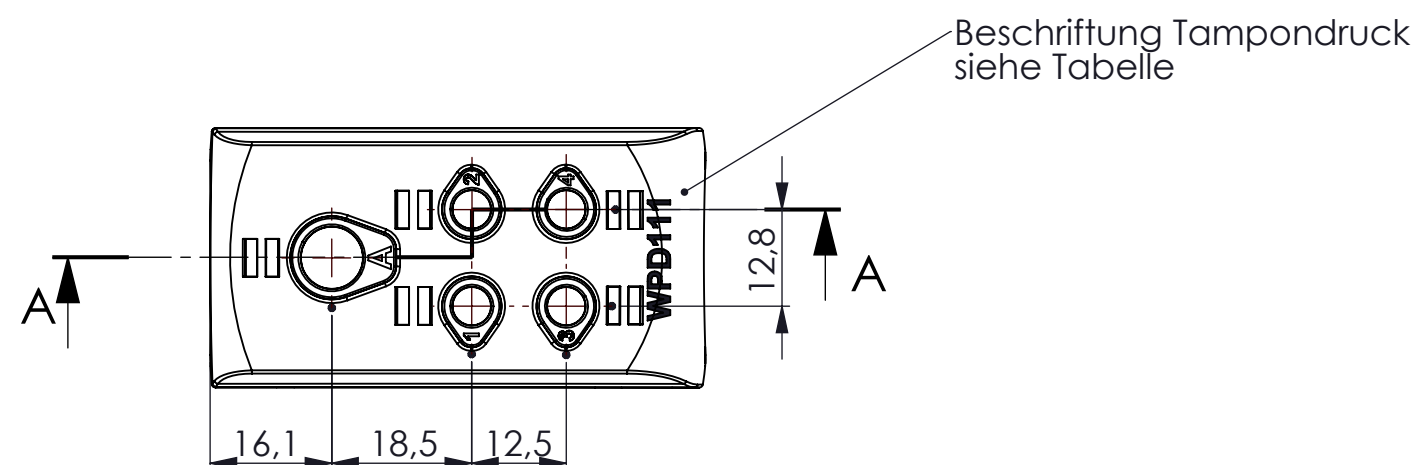
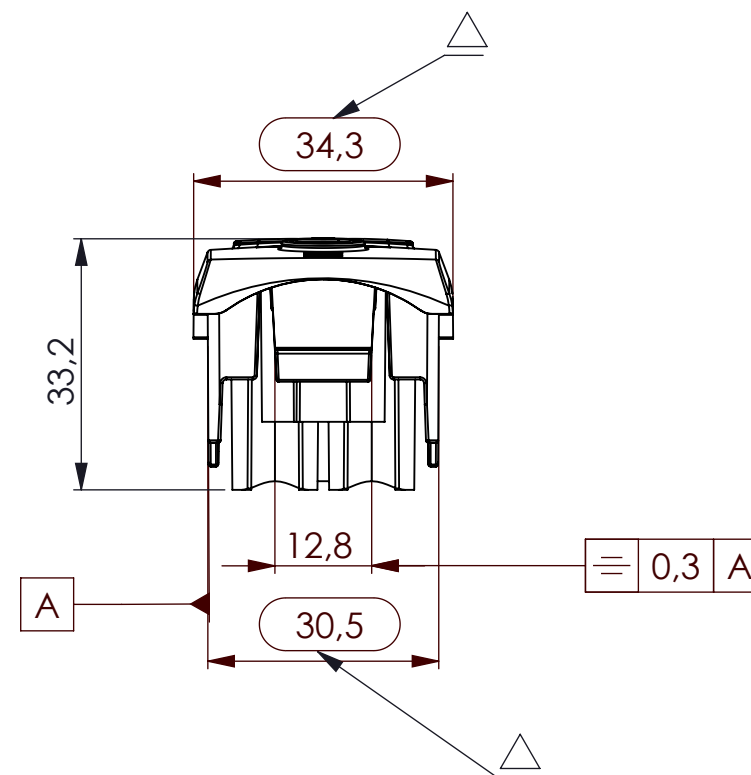
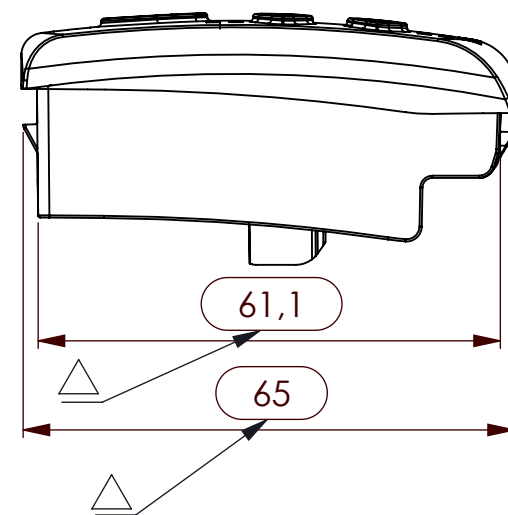
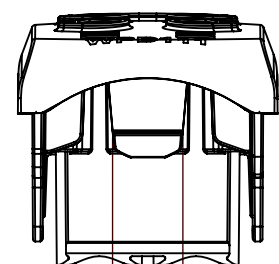
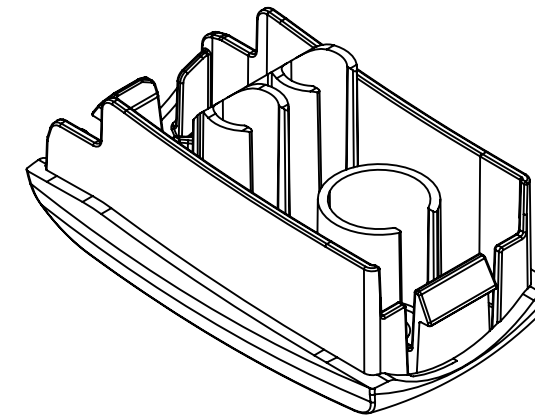
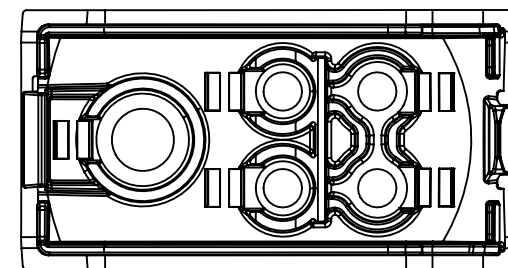
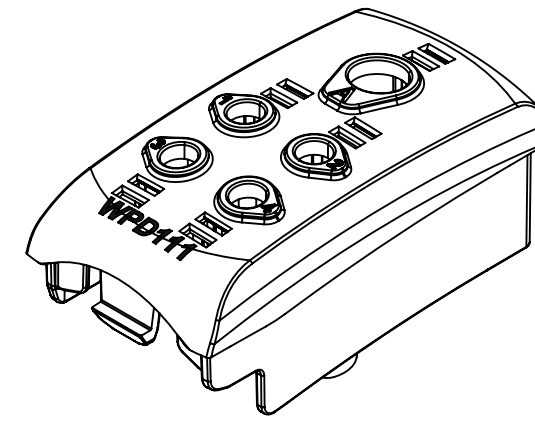


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			Gepr.	20.02.2020	Rekersbrink	Maßstab	1:1.5	A3			
			Norm			Benennung					
			CAD Solidworks			Sockel PDB 245					
Zust.	Datum	Name									
Allgemeintoleranz		Oberfläche				Identnummer (siehe Tabelle)			Zeichnungsnummer		1 von 1
DIN ISO 16742TG6		DIN-ISO 1302 Reihe 2							519060		

The following Page(s) are related to Illustration-2. The next supplement, if applicable, will be identified with a new Supplement Page Heading

Transparent hochglanz

65,5



Technical drawing of the WPD111 component showing dimensions: 3, 4,6, and 15,9.

Technical drawing of the WPD111 component showing dimensions: 3, 4,6, and 15,9.

Technical drawing of the WPD111 device showing dimensions: 3, 4,6, and 15,9.

Technical drawing of the WPD111 device showing dimensions: 3, 4,6, and 15,9.

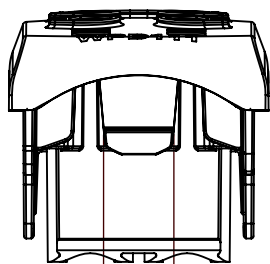
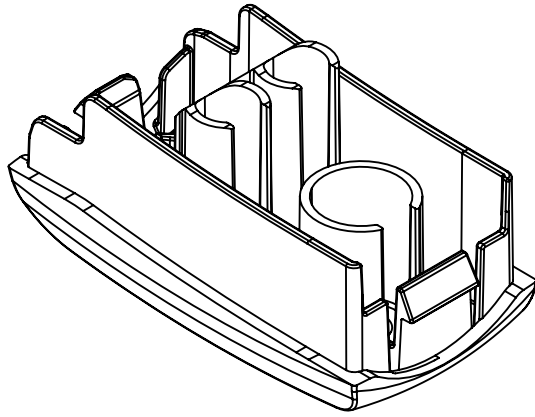
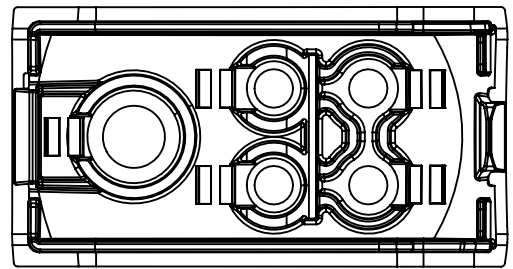
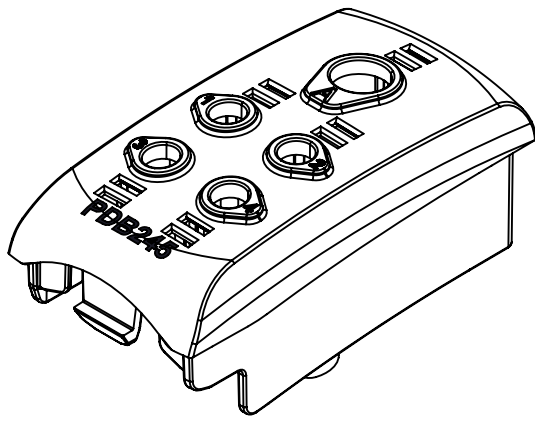
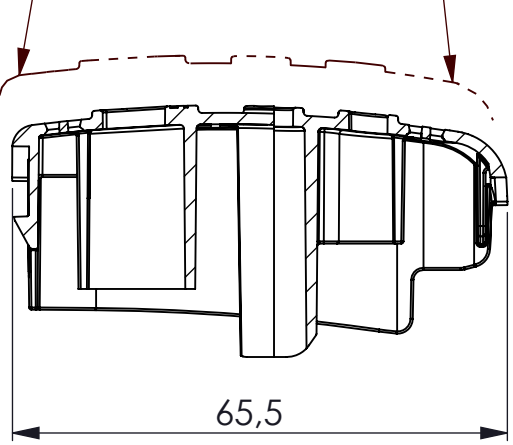
△ = wichtiges Merkmal

muss mit 519062 verbaubar sein
Grat- und Schwimmbaut frei
kein Regranulat erlaubt

			Datum	Name	Lexan CFR7630				
			Bearb.	18.02.2020	Hoffmann	Teil	Werkstoff		Werkstoff-Nr.
			Gepr.	09.04.202	B.Rekersbrink	Maßstab	1:1		A2
			Norm	0	Benennung				
			CAD Solidworks			Deckel			
Zust.	Datum	Name		PDB245					
Allgemeintoleranz		Oberfläche							
DIN ISO 16742T6		DIN-ISO 1302 Reihe 2							
				Identnummer		Zeichnungsnummer			
				(siehe Tabelle)		1 von 2			
						519061			

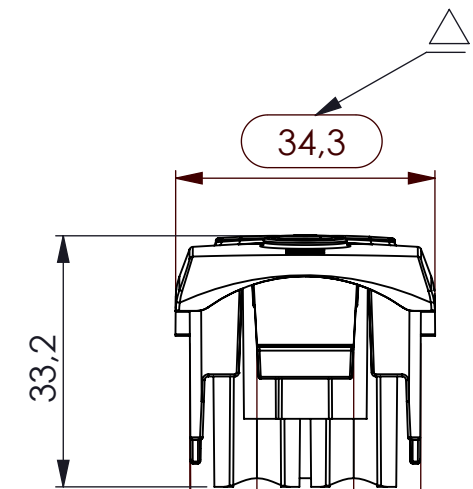
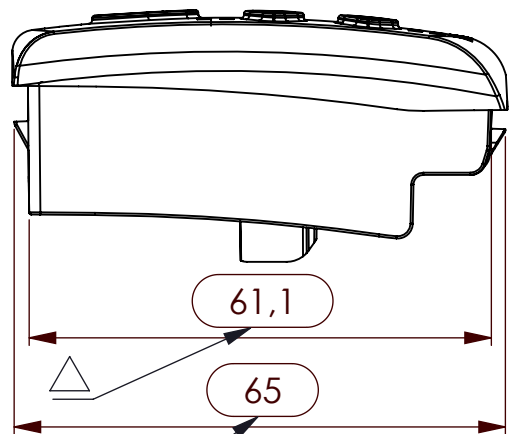
SCHNITT A-A

Transparent hochglanz



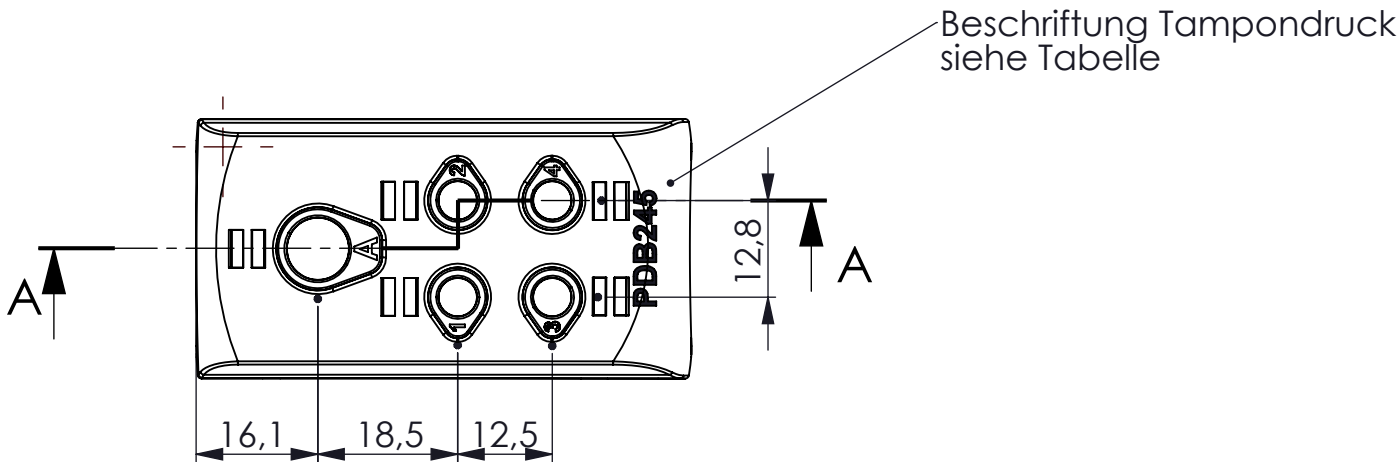
9,3

0,3 A



A

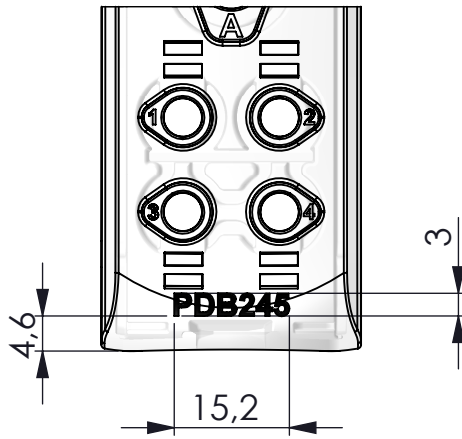
0,3 A



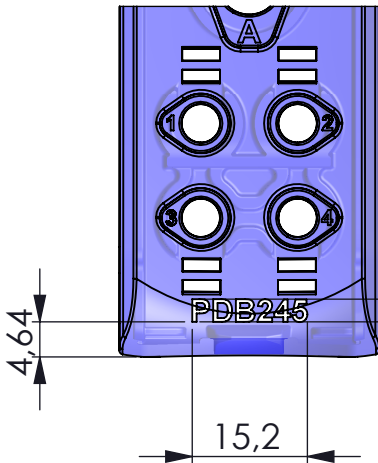
Beschriftung Tampondruck
siehe Tabelle

Tampondruck

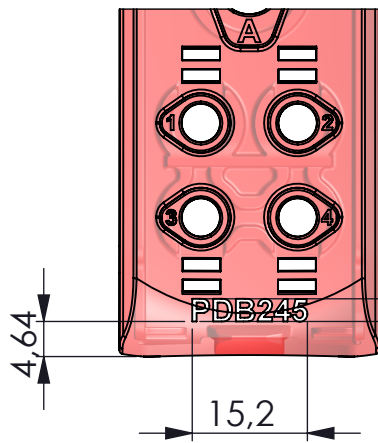
Material-Nr.: 519061-0-1
Farbe: transparent klar
Aufdruck: schwarz



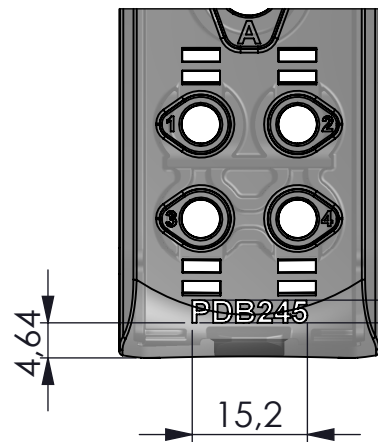
Material-Nr.: 519061-B-1
Farbe: transparent blau
Aufdruck: weiß



Material-Nr.: 519061-R-1
Farbe: transparent rot
Aufdruck: weiß



Material-Nr.: 519061-S-1
Farbe: transparent schwarz
Aufdruck: weiß



... = Prüfmaß

△ = wichtiges Merkmal

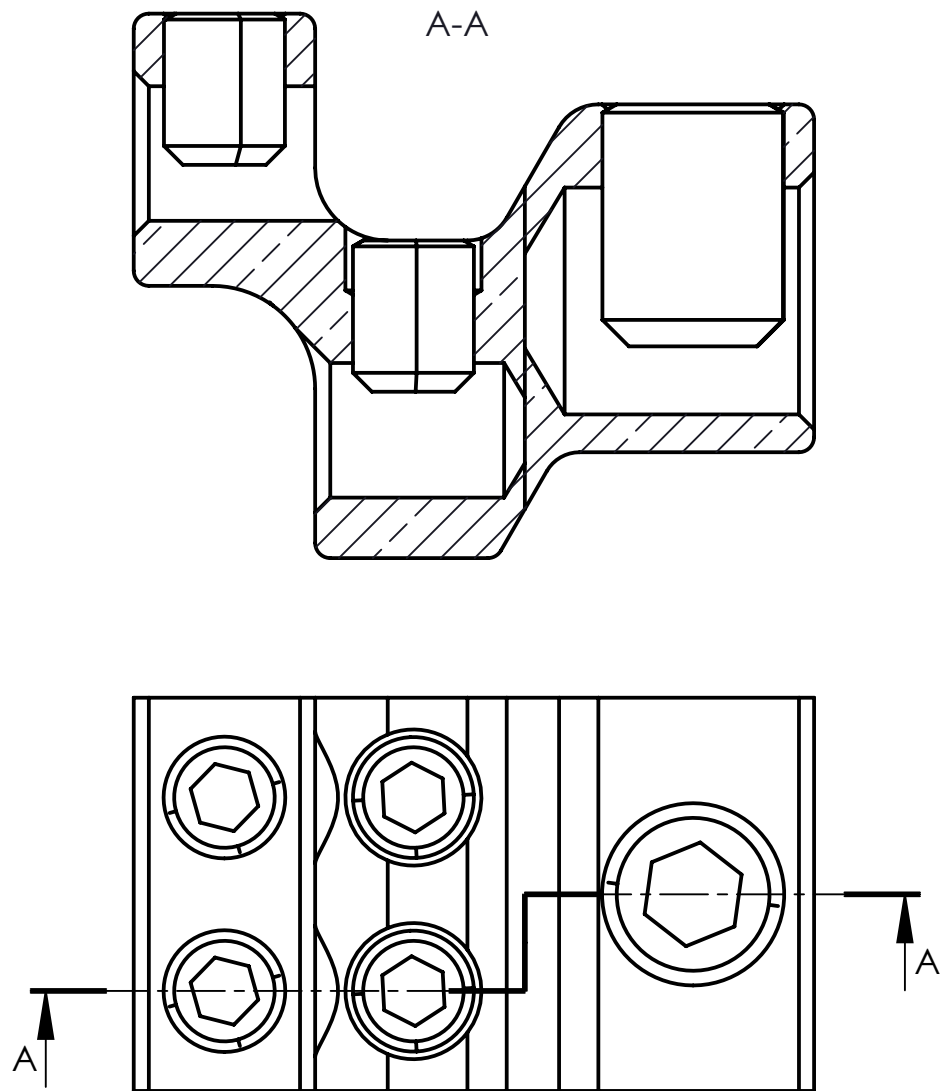
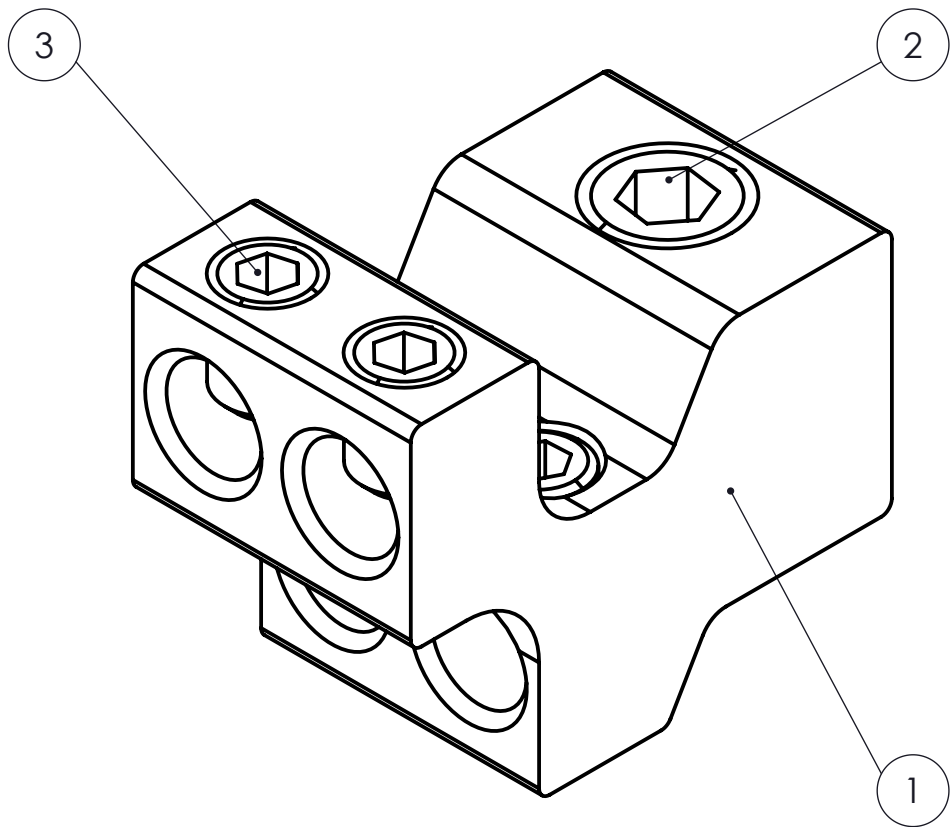
markierte Flächen transparent hochglanz
sonstige Flächen milchig

muss mit 519062 verbaubar sein
Grat- und Schwimmhaut frei
kein Regranulat erlaubt

			Datum	Name			Lexan CFR7630
			Bearb.	18.02.2020	Holtmann	Teil	Werkstoff
			Gep.	09.04.202	B.Rekersbrink	Maßstab	Werkstoff-Nr.
			Norm	0		1:1	A2
			CAD Solidworks				Benennung
							Deckel
							PDB245
Zust.	Datum	Name					
Algemeintoleranz		Oberfläche					
DIN ISO		DIN-ISO					
16742TG6		1302					
		Reihe 2					
					Identnummer	Zeichnungsnummer	2 von 2
					(siehe Tabelle)	519061	

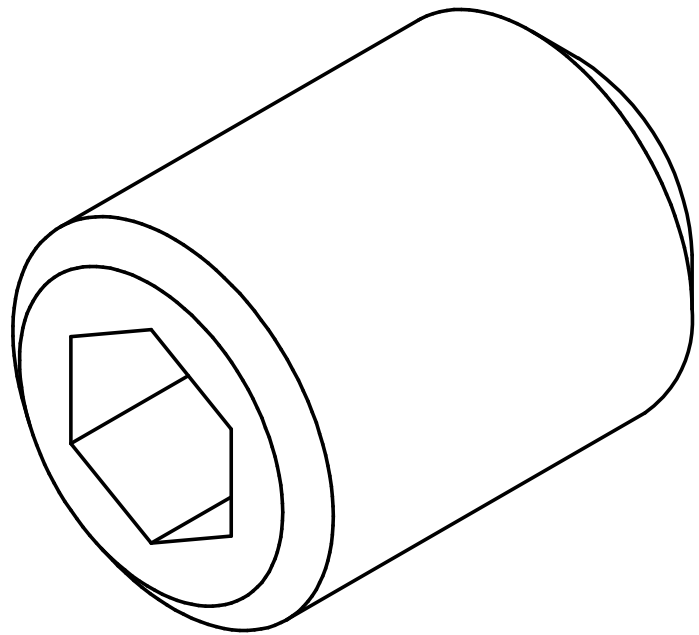
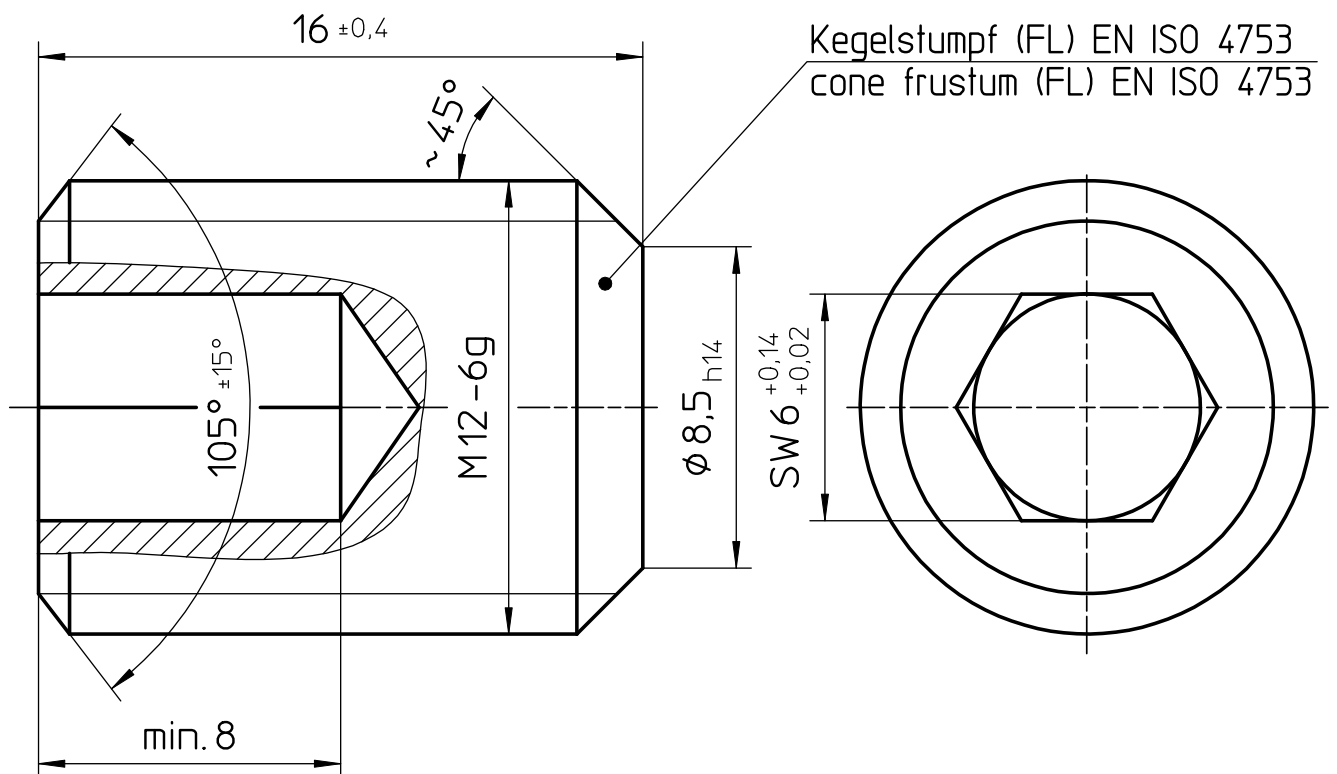
The following Page(s) are related to Illustration-3. The next supplement, if applicable, will be identified with a new Supplement Page Heading

Stücklistentabelle							
Pos-Nr.	Material-Nr.	Bezeichnung	Beschreibung	Zeich-Nr.	Material	Oberfläche	054D40-1-3 Stück
1	054H00-1-3	Messingklemme	PDB 245	H54_D9	CuZn39Pb3M (Profil-Nr. P8-175)	Cu-flash, / 3-4µm Ni / 7-10 µm Sn	1
2	74062	Gewindestift	DIN EN ISO 4026-M12x16-45H	74062	Stahl	5µm Zn dickschichtpassiviert	1
3	740420	Gewindestift	DIN EN ISO 4026 - M8x10 -45H	74042	Stahl	5 µm Zn dickschichtpassiviert	4



				Datum	Name		2.0401 (CuZn39Pb3)	
		Bearb.	08.04.202	R.Holtmann	Teil	Werkstoff		Werkstoff-Nr.
		Gepr.	28.07.202	B.Rekersbrink	Maßstab	2:1		A3
		Norm	0		Benennung			
CAD Solidworks					Messingblock PDB 245			
Zust.	Datum	Name						
Allgemeintoleranz DIN ISO 2768-m		Oberfläche DIN-ISO 1302 Reihe 2						
					Identnummer	Zeichnungsnummer H54_H0		
					2 von 2			

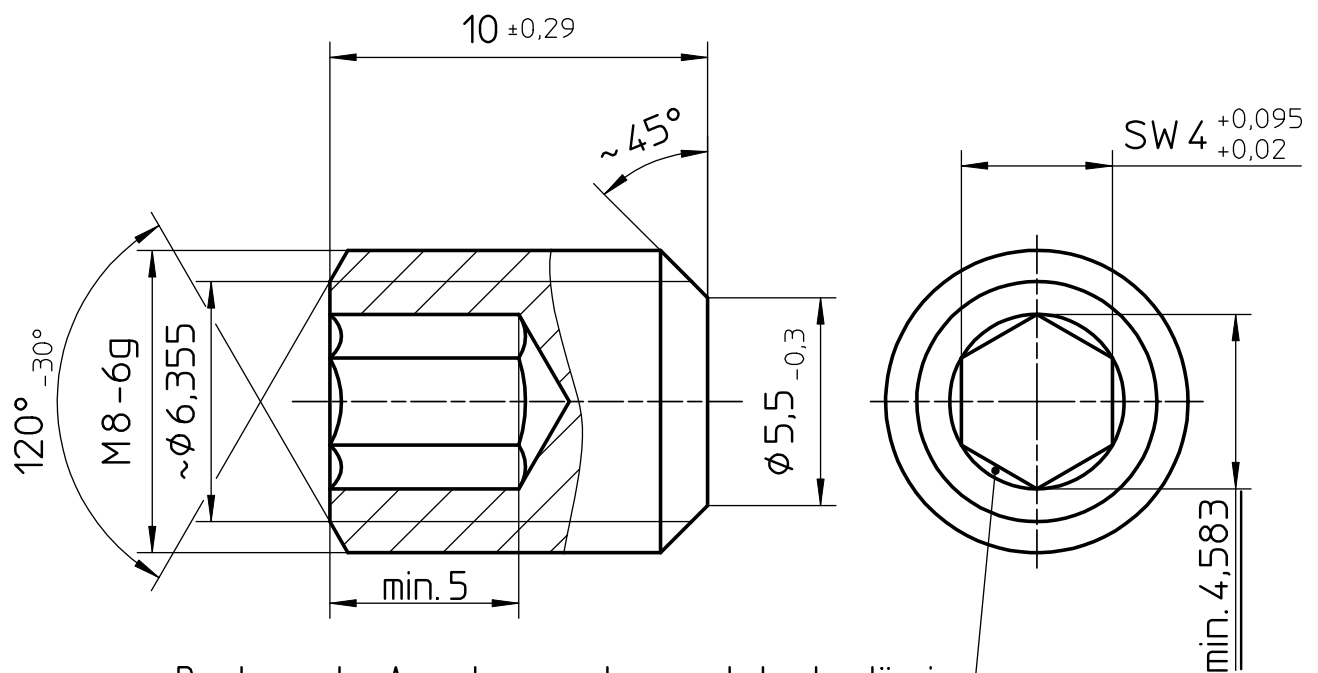
The following Page(s) are related to Illustration-4. The next supplement, if applicable, will be identified with a new Supplement Page Heading



Oberfläche: 5 μ Zn, dickschichtpassiviert
Surface: 5 μ Zn, thick film passivated

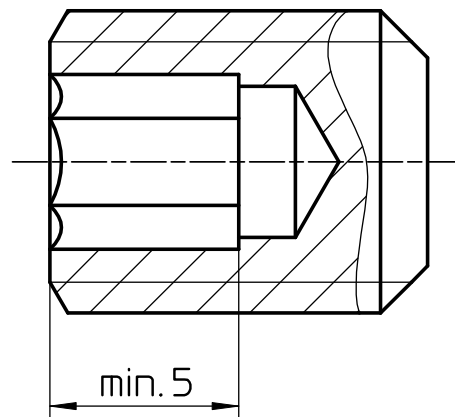
			Datum	Name	45H	
		Bearb.	18.09.2013	Schwendemann	Werkstoff	Werkstoff-Nr.
		Gepr.	26.09.2013	Schroeder	Maßstab	5:1
		Norm			Benennung	
			CAD HP-ME10			
Zust.	Datum	Name	 eTec 32257 Bünde			
Allgemeintoleranz		Oberfläche DIN-ISO 1302 Reihe 2				
DIN 7168-m			Gewindestift M12x16 Innensechskant SW6			
			Identnummer		Zeichnungsnummer	
			740620		74062.	

The following Page(s) are related to Illustration-5. The next supplement, if applicable, will be identified with a new Supplement Page Heading



Rundung oder Ansenkung am Innensechskant zulässig.
Rounding or chamfer may be permissible on the inside hexagon.

Alternative
alternative

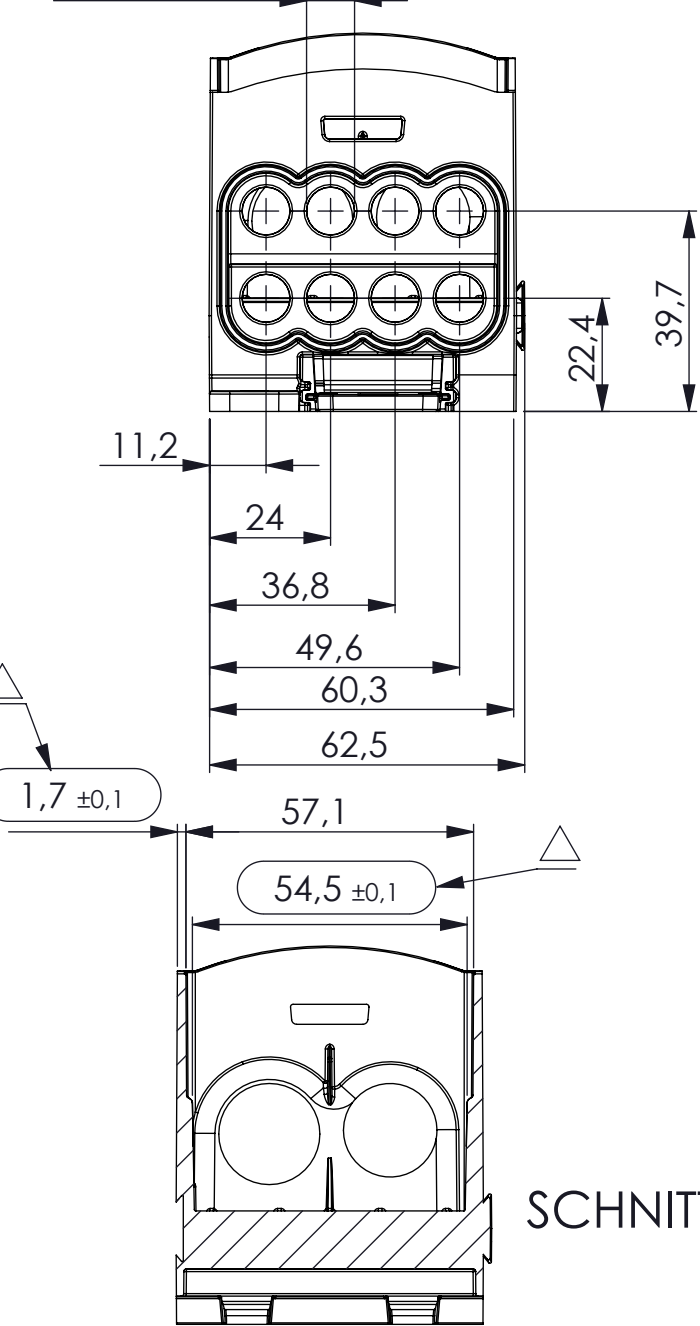
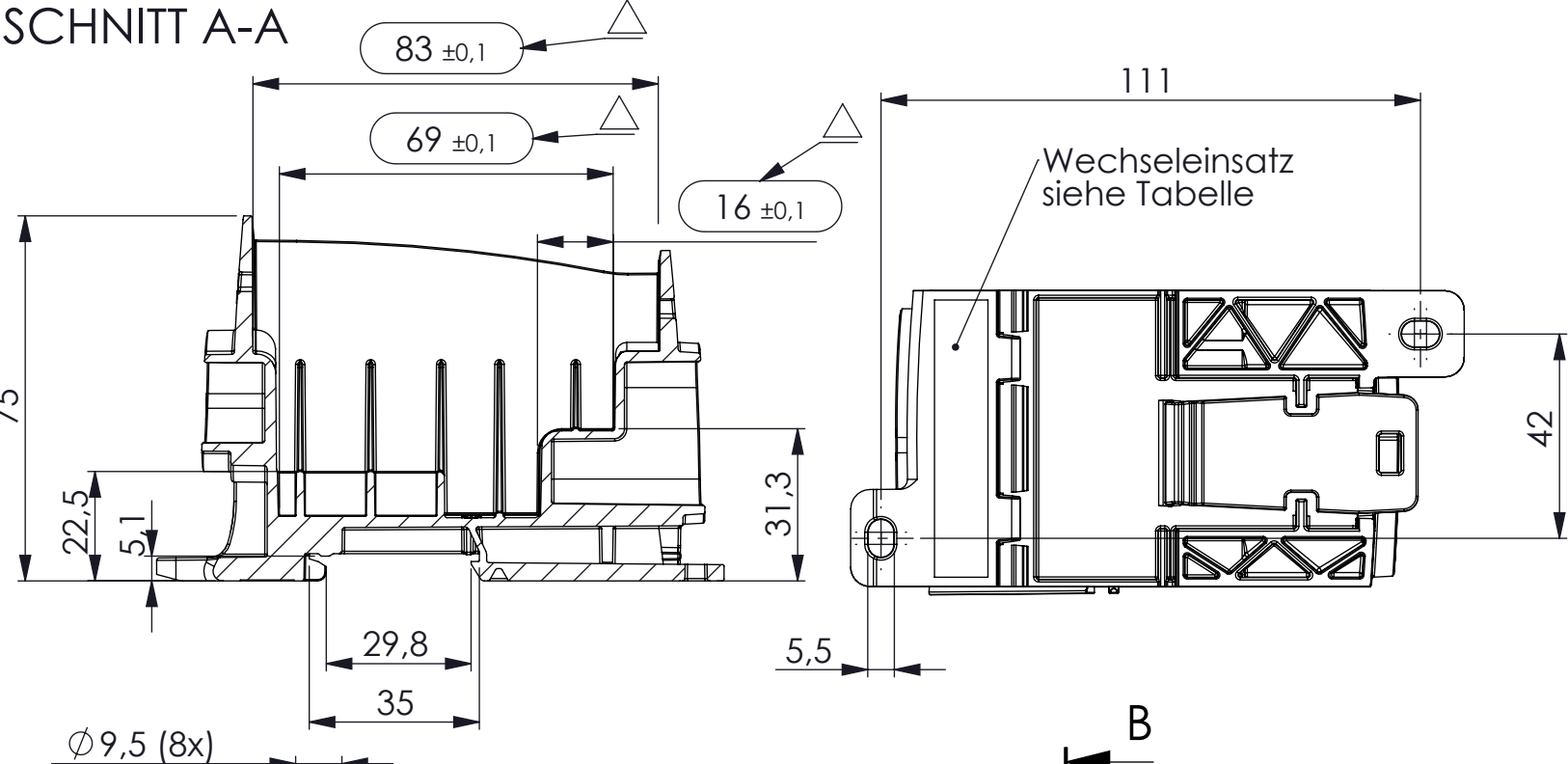


Oberfläche: 5μ Zink, dickschichtpassiviert
surface: 5μ zinc, thick film passivated

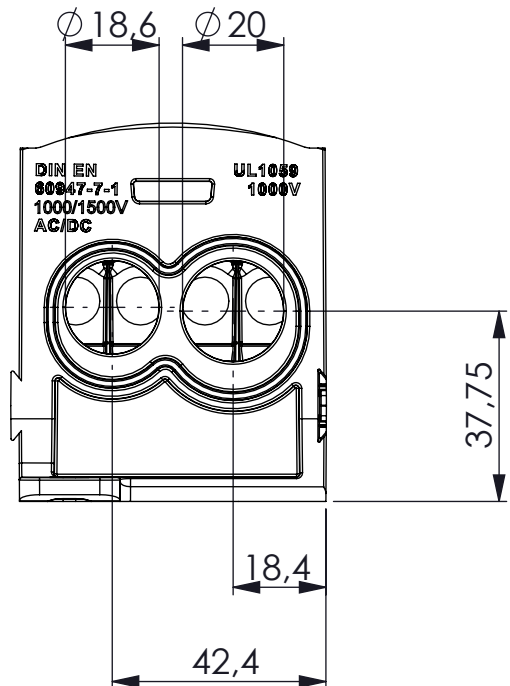
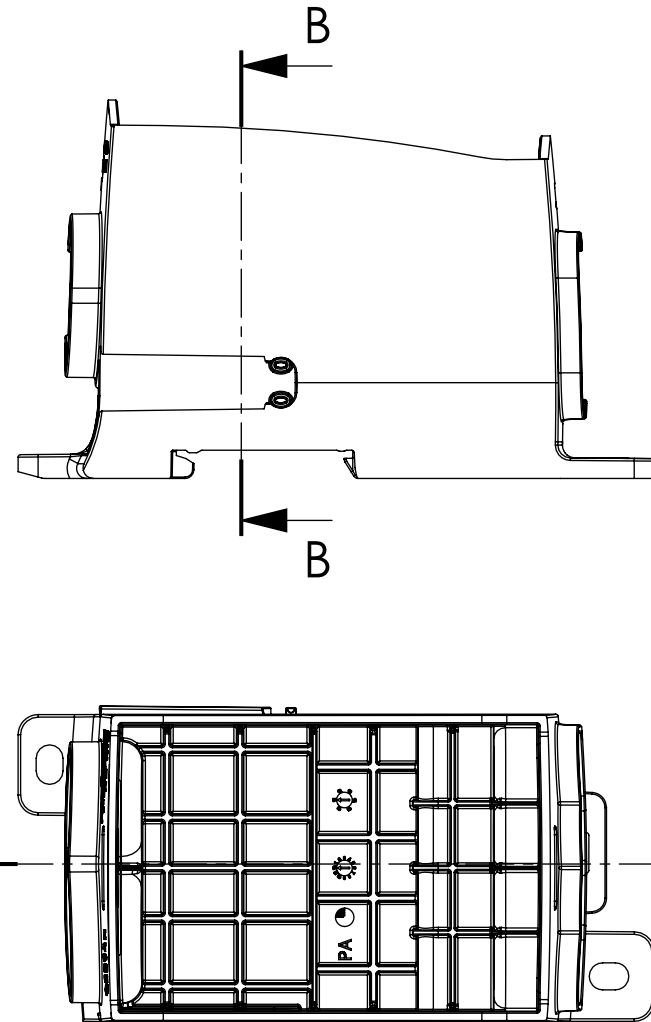
			Datum	Name	45H	
		Bearb.	23.09.2011	Lehmann	Teil	Werkstoff
		Gepr.	06.02.2012	Lehmann	Maßstab	5:1
		Norm			Benennung	Gewindestift DIN EN ISO 4026 - M8x10
a	06.02.2012	Schroeder	CAD HP-ME10		Identnummer	
Zust.	Datum	Name	 eTec 32257 Bünde			
Allgemeintoleranz		Oberfläche DIN-ISO 1302 Reihe 2				
DIN 7168-m						

The following Page(s) are related to Illustration-6. The next supplement, if applicable, will be identified with a new Supplement Page Heading

SCHNITT A-A

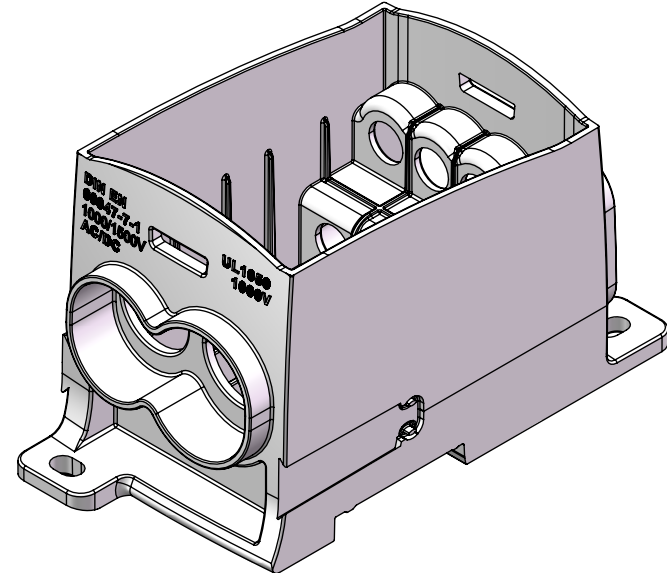


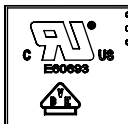
SCHNITT B-B



.... = Prüfmaß
△ = wichtiges Merkmal
A muss mit 519063 verbaubar sein
Farbe lichtgrau RAL 7035
Grat- und Schwimmhaut frei
kein Regranulat erlaubt

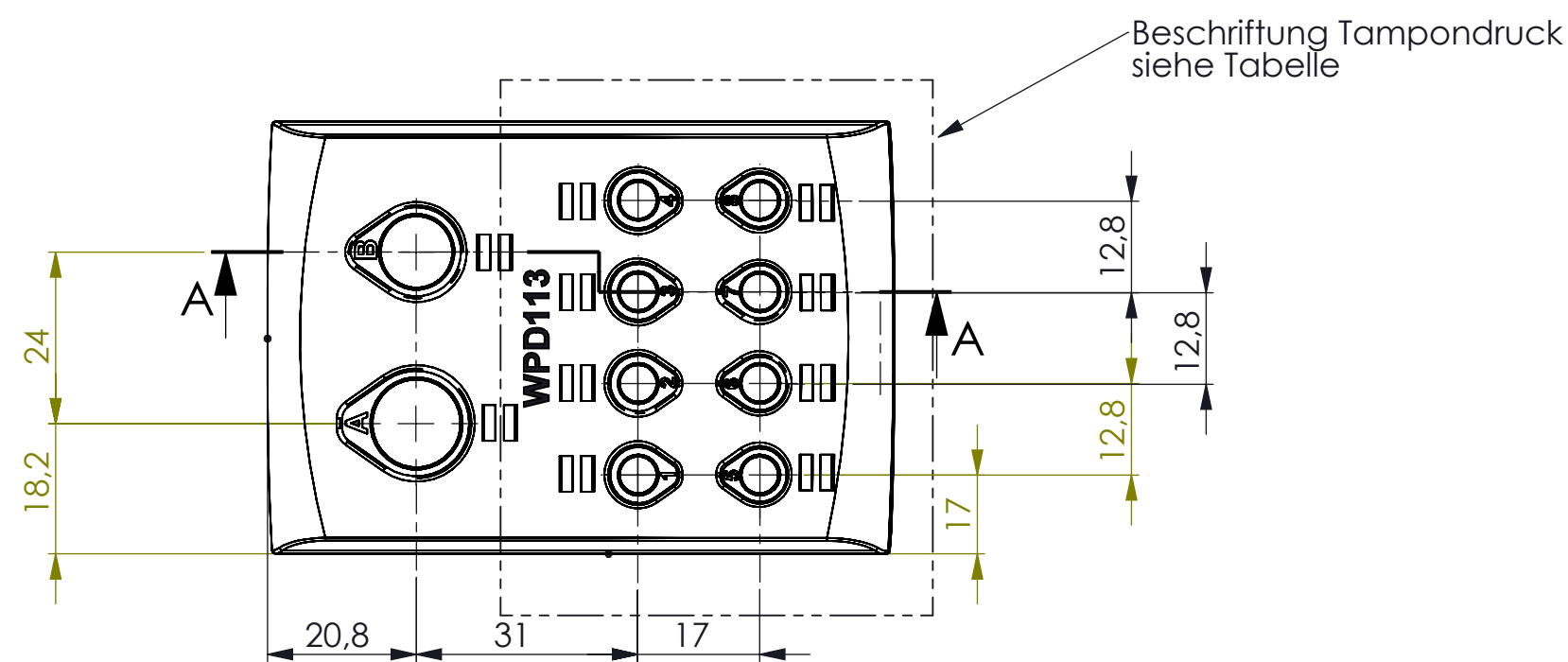
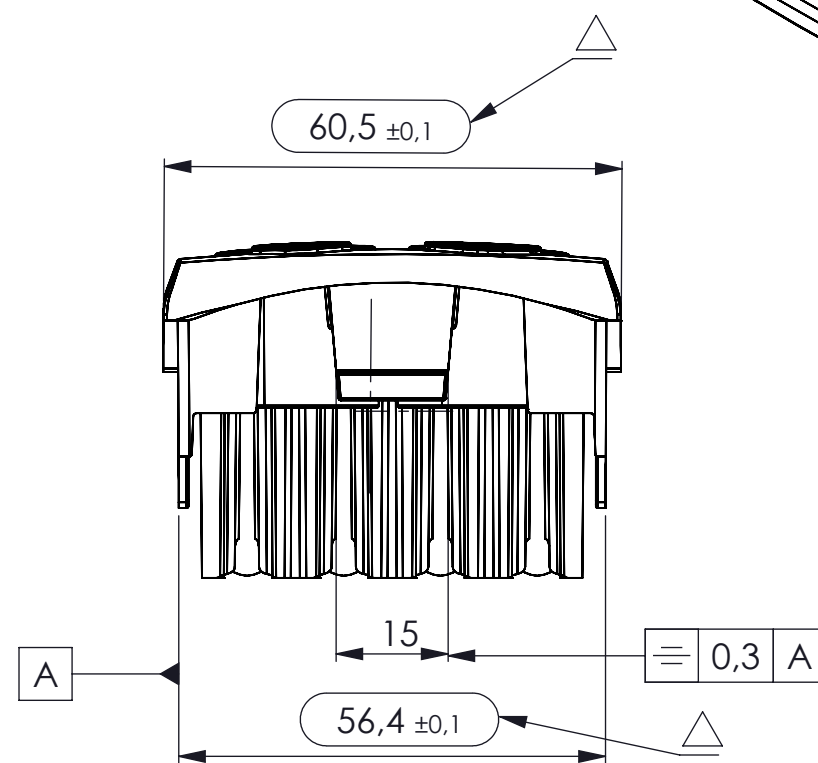
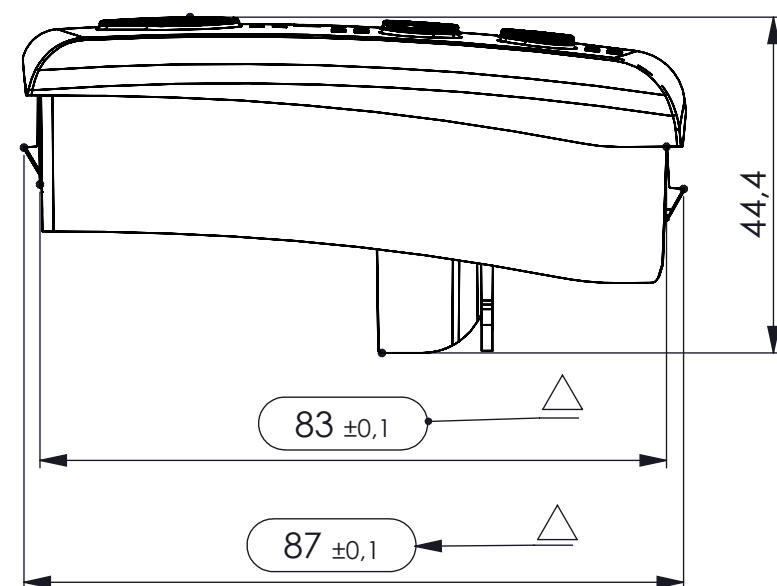
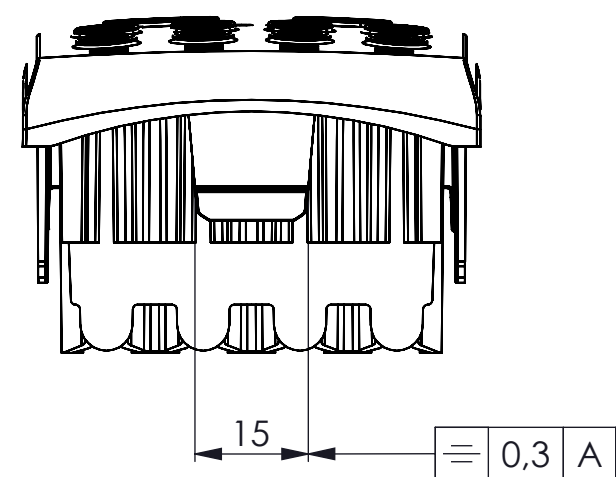
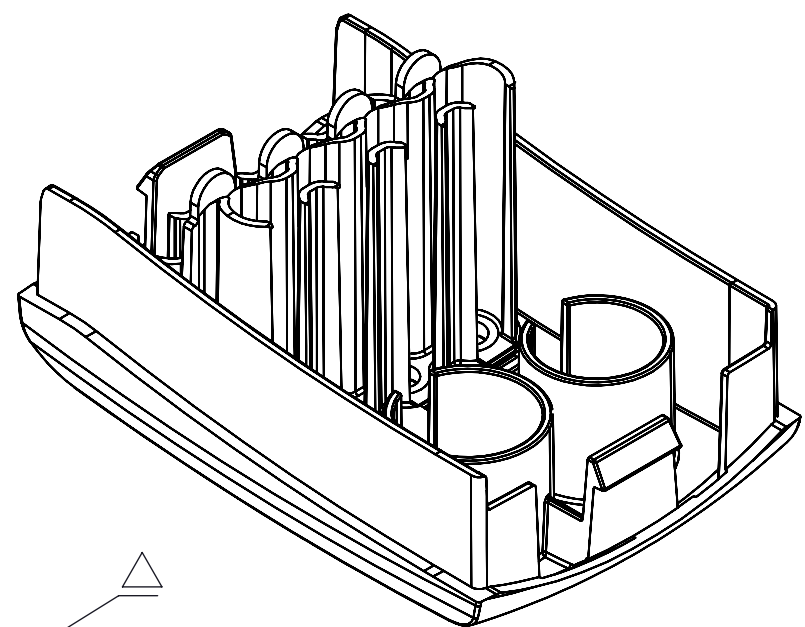
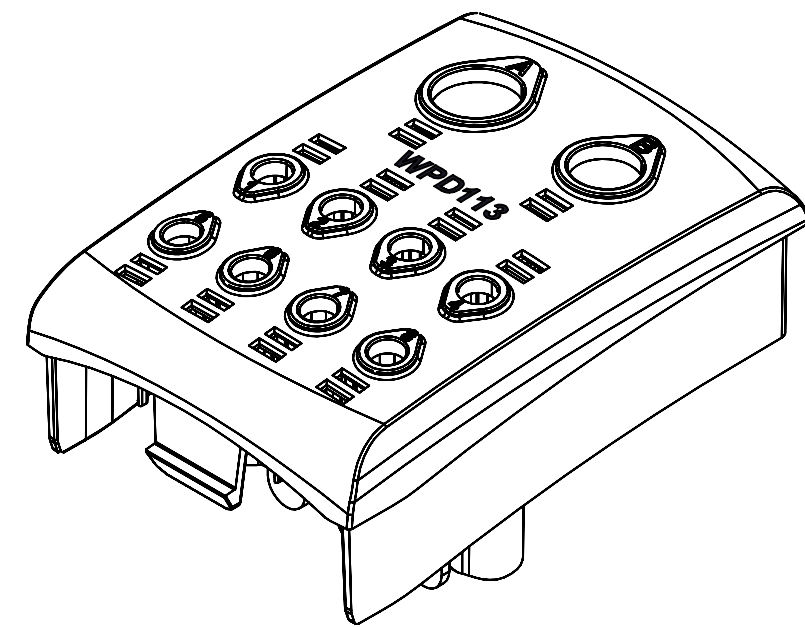
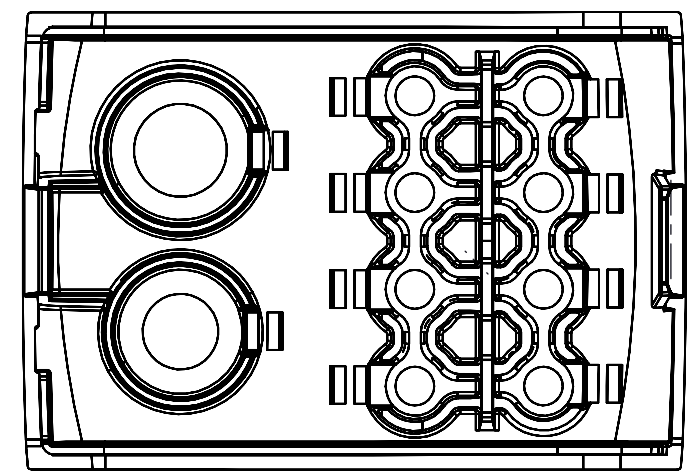
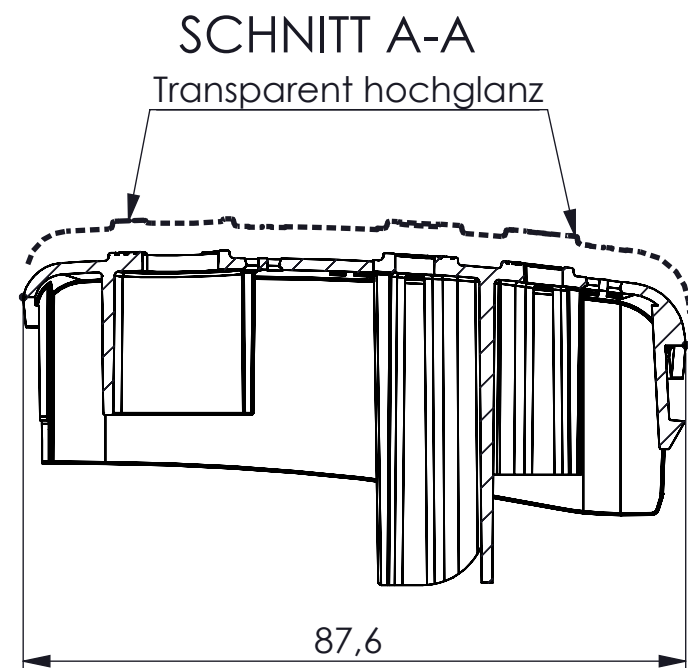
lichtgrau ral 7035



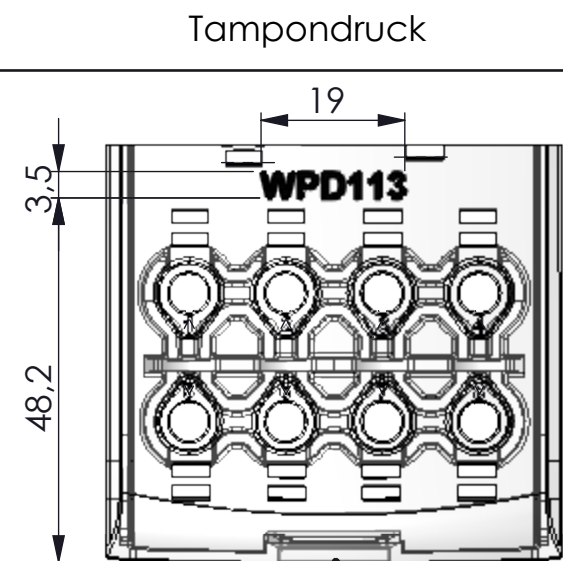
	Wechseleinsätze
519062-0-0	
519062-0-1	082100
519062-0-5	 WPD 113 185mm² 1000V AC/ 1500V DC IEC 60947-7-1

			Datum	Name	Teil	Werkstoff	Werkstoff-Nr.
		Bearb.	19.02.2020	Holtmann			
		Gepr.	20.02.2020	Rekersbrink	Maßstab	1:1.5	A3
		Norm			Benennung	Sockel	
			CAD Solidworks			PDB 640	
Zust.	Datum	Name			Identnummer	Zeichnungsnummer	1 von 1
Allgemeintoleranz		Oberfläche			(siehe Tabelle)	519062	
DIN ISO 16742TG6		DIN-ISO 1302 Reihe 2					

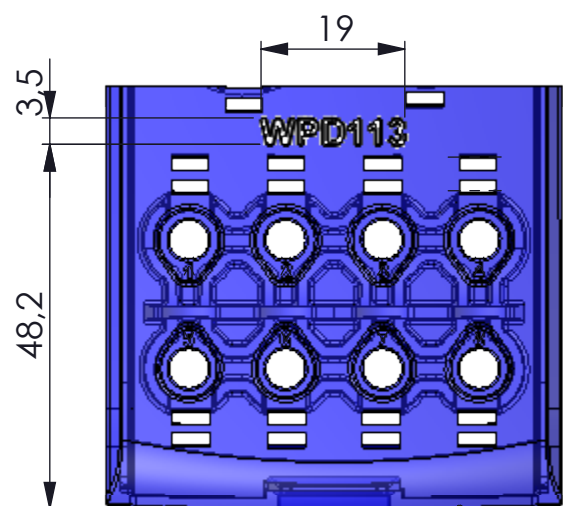
The following Page(s) are related to Illustration-7. The next supplement, if applicable, will be identified with a new Supplement Page Heading



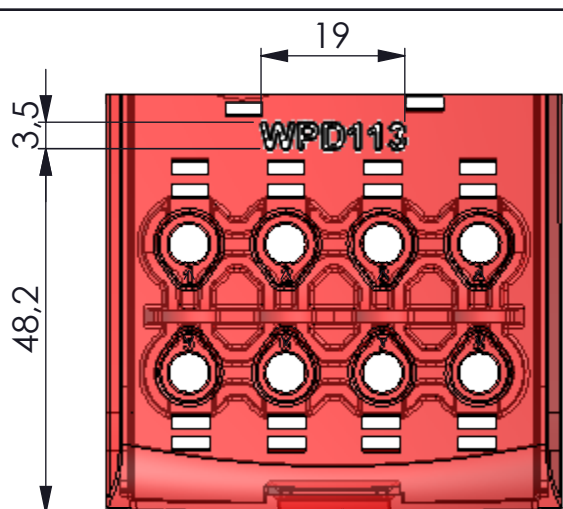
Material-Nr.: 519063-5-0
Farbe: transparent klar
Aufdruck: schwarz



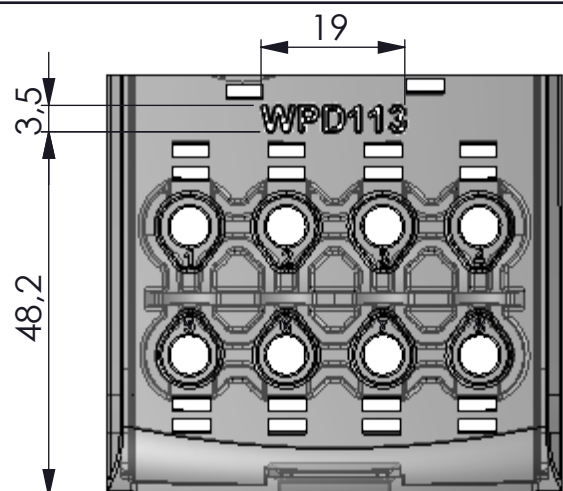
Material-Nr.: 519063-W-0
Farbe: transparent blau
Aufdruck: weiß



Material-Nr.: 519063-W-1
Farbe: transparent rot
Aufdruck: weiß



Material-Nr.: 519063-W-2
Farbe: transparent schwarz
Aufdruck: weiß



... = Prüfmaß

△ = wichtiges Merkmal

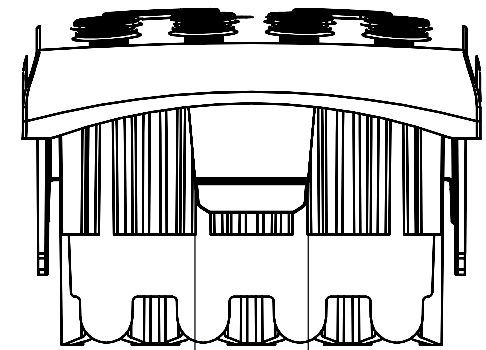
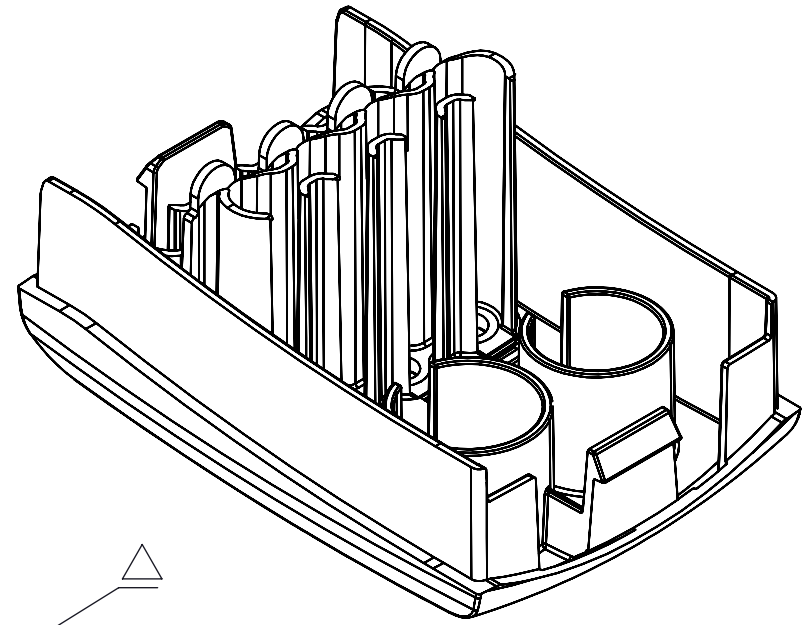
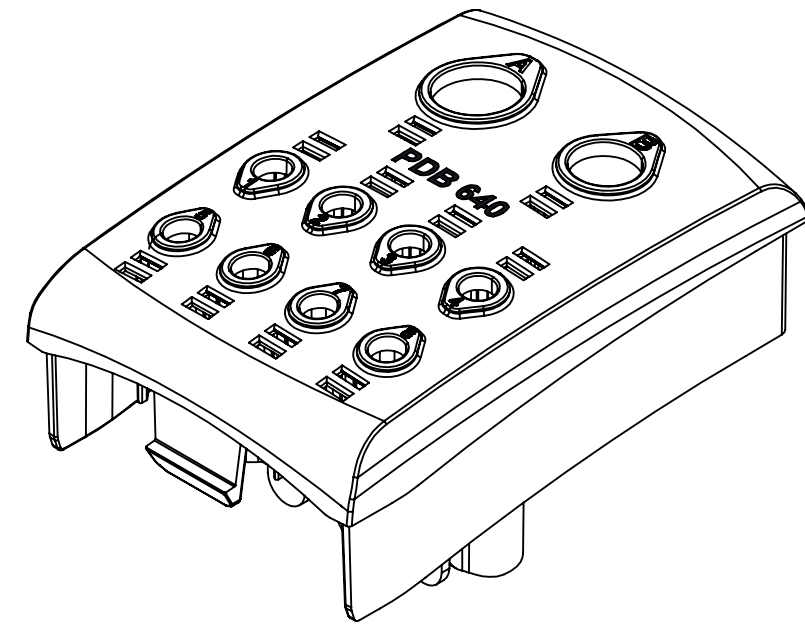
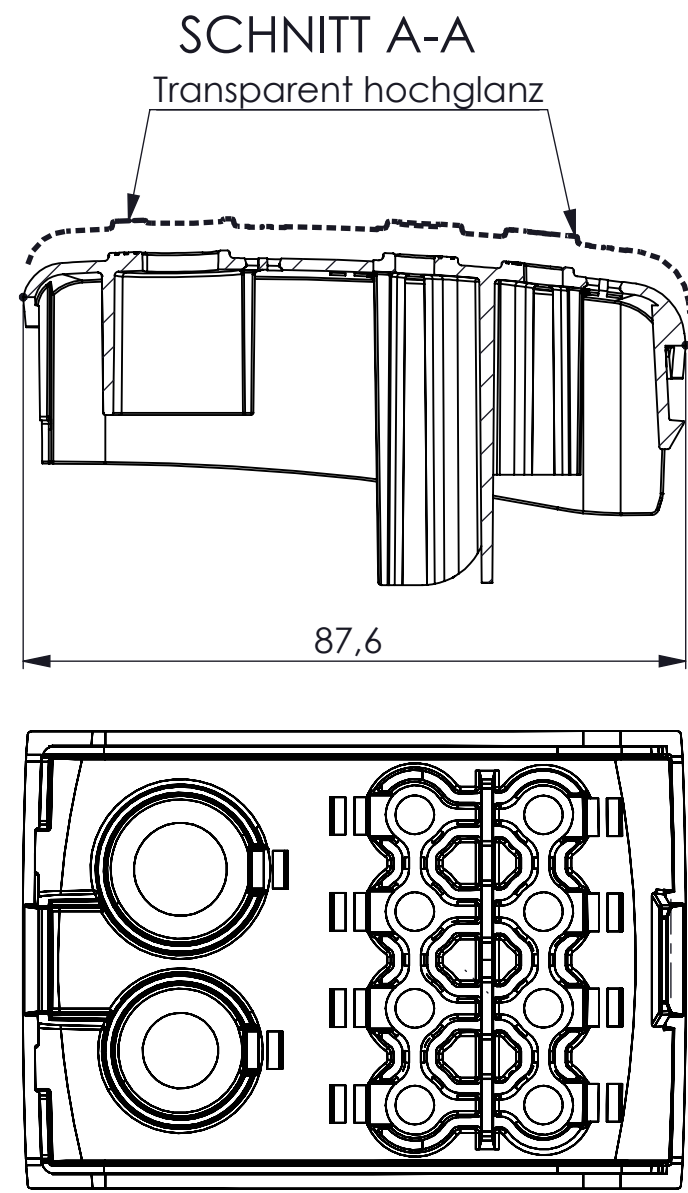
markierte Flächen transparent hochglanz
sonstige Flächen milchig

muss mit 519062 verbaubar sein
Grat- und Schwimmhaut frei
kein Regranulat erlaubt

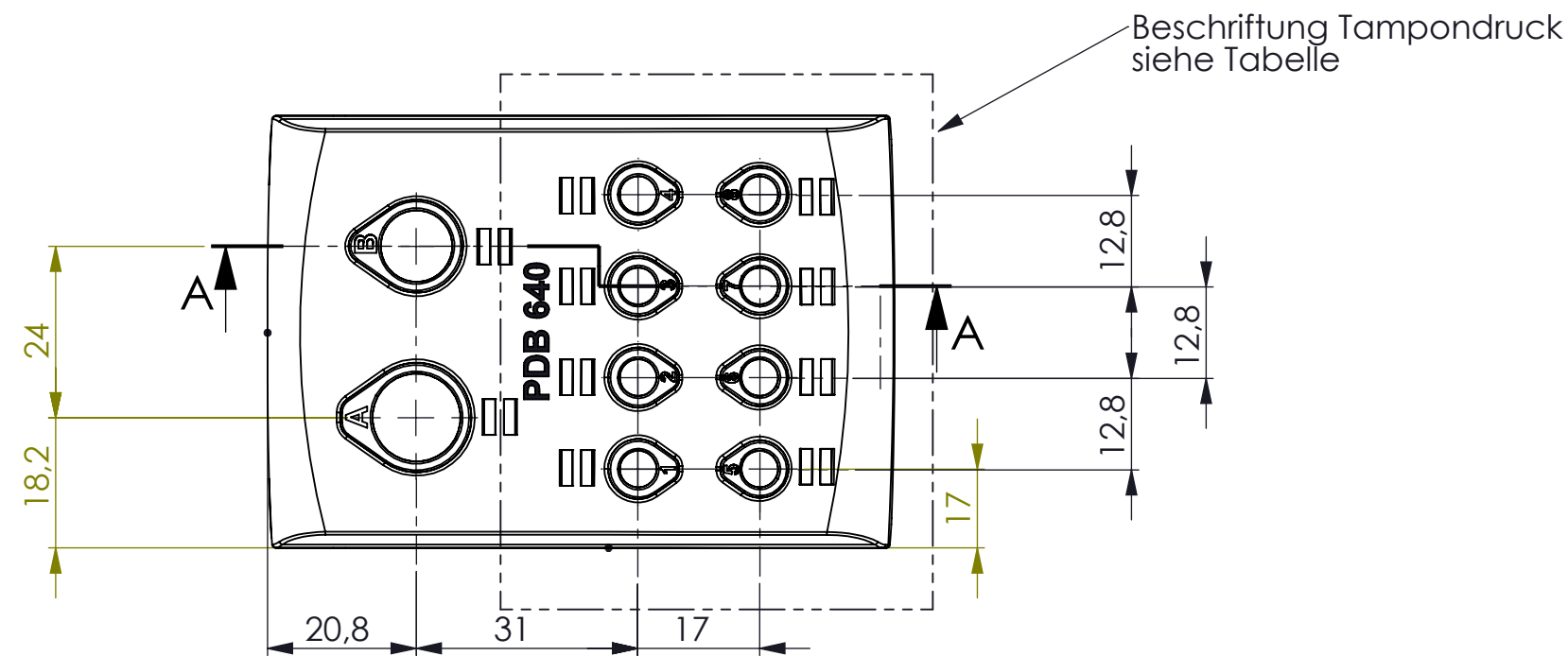
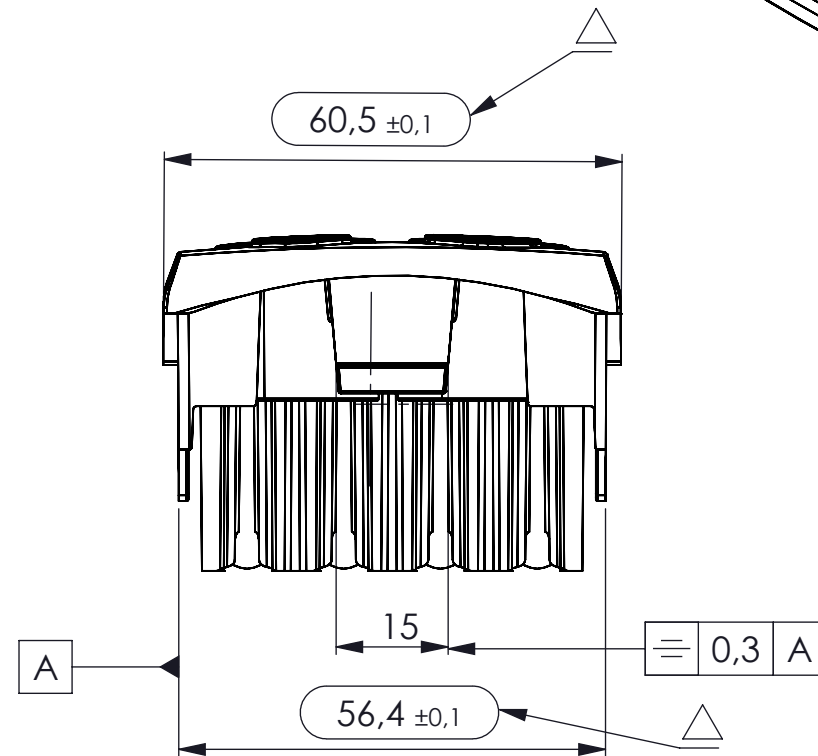
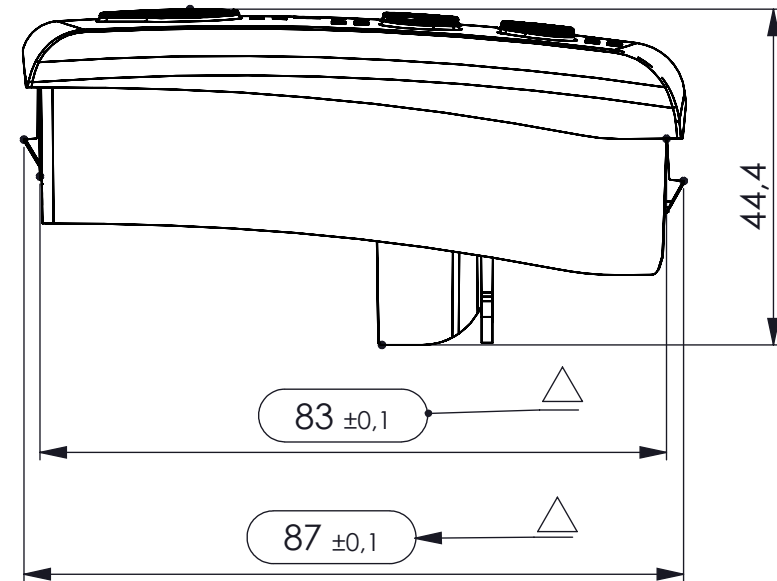
			Datum	Name			Lexan CFR7630
		Bearb.	18.02.2020	Holtmann	Teil		Werkstoff
		Gepr.	09.04.202	B.Rekersbrink	Maßstab	1:1	Werkstoff-Nr.
		Norm	0		Benennung		A2
				CAD Solidworks			
Zust.	Datum	Name					Deckel
		Oberfläche					PDB 640
DIN ISO		DIN-ISO			Identnummer	Zeichnungsnummer	1 von 2
16742TG6		1302			(siehe Tabelle)	519063	
		Reihe 2					

Diese Zeichnung darf weder kopiert, noch dritten Personen mitgeteilt, noch anderweitig mißbräuchlich benutzt werden

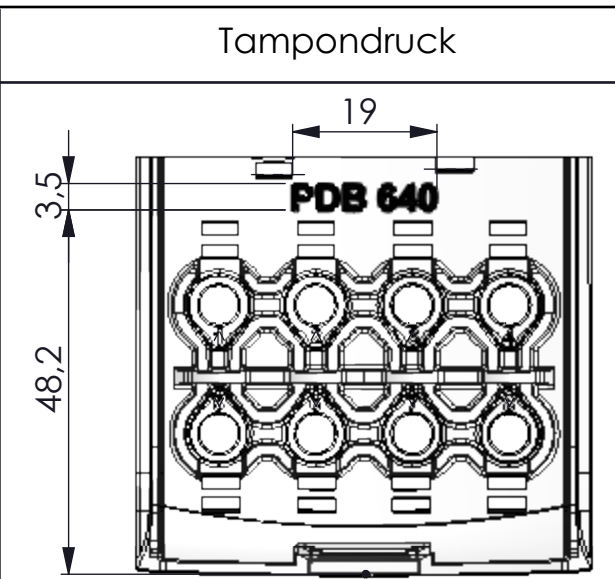
C:\HORA-eTec\Projekte\Projekt 092\



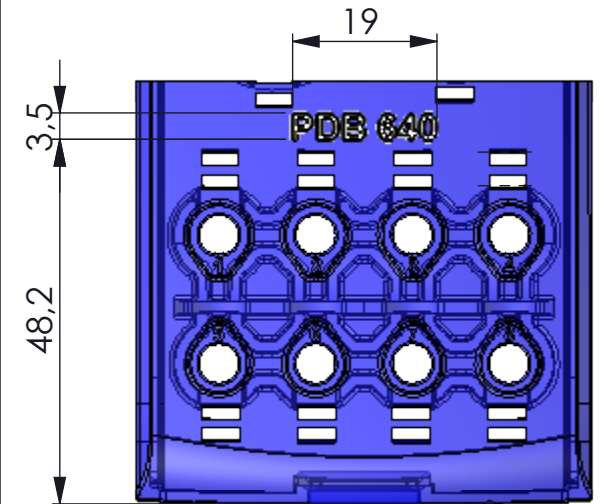
15 0,3 A



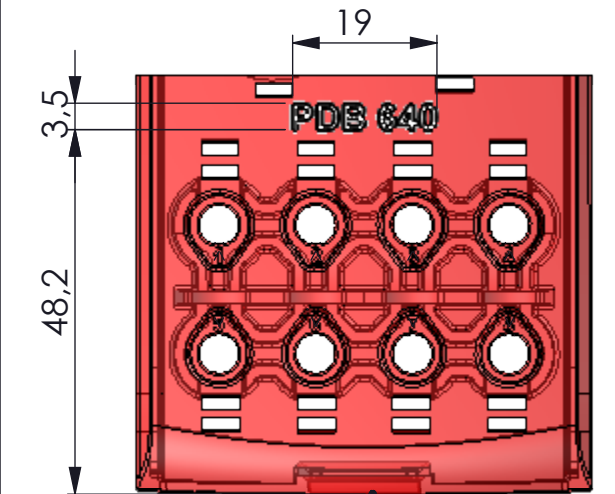
Material-Nr.: 519063-0-1
Farbe: transparent klar
Aufdruck: schwarz



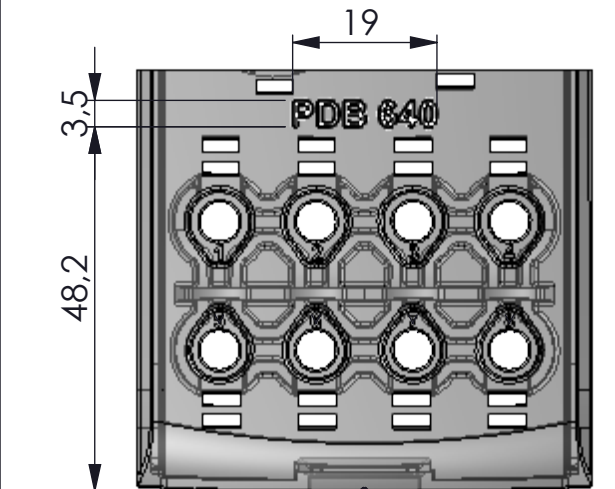
Material-Nr.: 519063-B-1
Farbe: transparent blau
Aufdruck: weiß



Material-Nr.: 519063-R-1
Farbe: transparent rot
Aufdruck: weiß



Material-Nr.: 519063-S-1
Farbe: transparent schwarz
Aufdruck: weiß



... = Prüfmaß

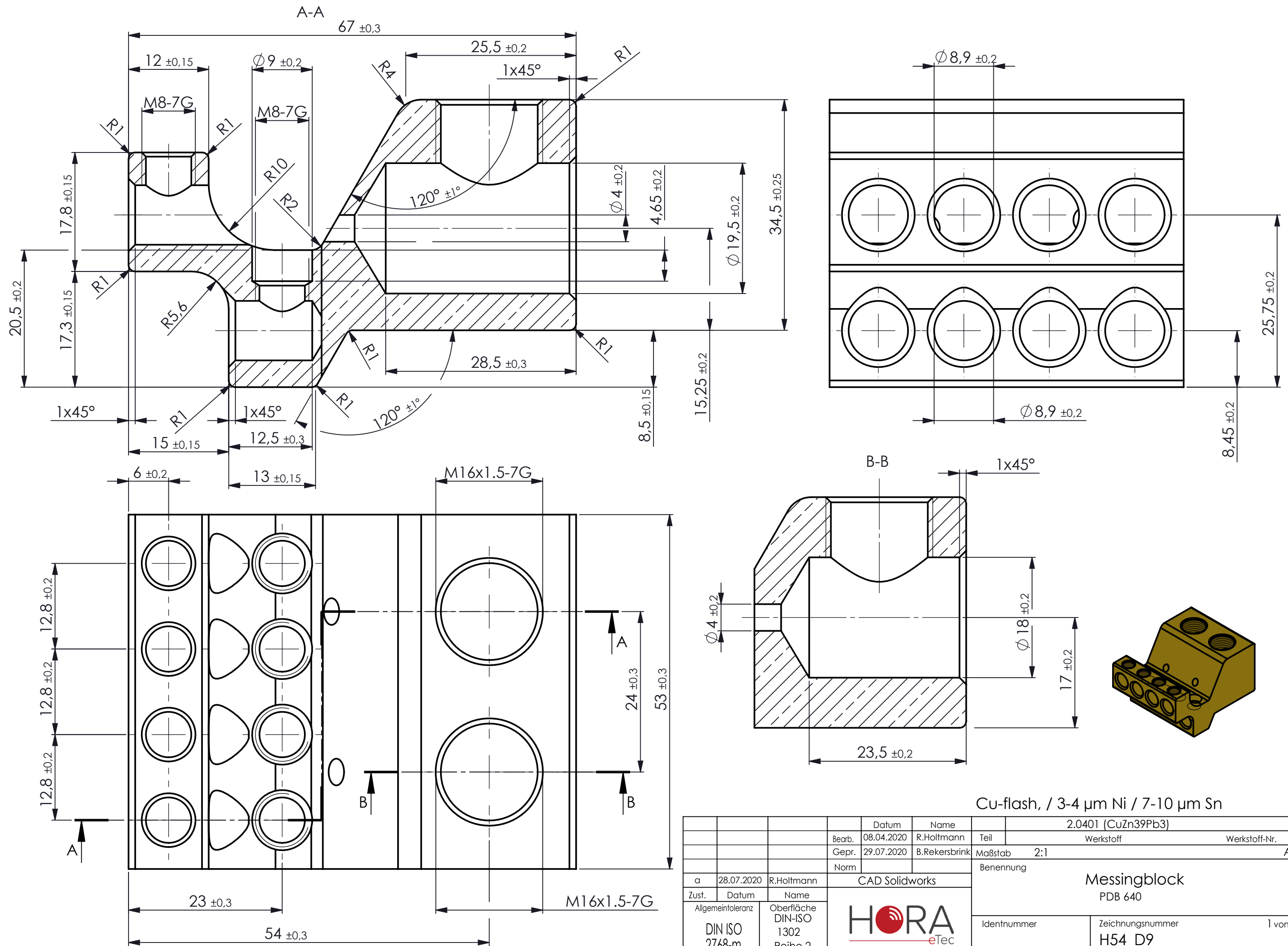
△ = wichtiges Merkmal

markierte Flächen transparent hochglanz
sonstige Flächen milchig

muss mit 519062 verbaubar sein
Grat- und Schwimnhaut frei
kein Regranulat erlaubt

				Datum	Name			Lexan CFR7630
			Bearb.	18.02.2020	Holtmann	Teil		Werkstoff
			Gepr.	09.04.202	B.Rekersbrink	Maßstab	1:1	Werkstoff-Nr.
			Norm	0		Benennung		A2
					CAD Solidworks			
Zust.	Datum	Name						Deckel
								PDB 640
Algemeintoleranz		Oberfläche				Identnummer	Zeichnungsnummer	2 von 2
DIN ISO 16742TG6		DIN-ISO 1302 Reihe 2				(siehe Tabelle)	519063	

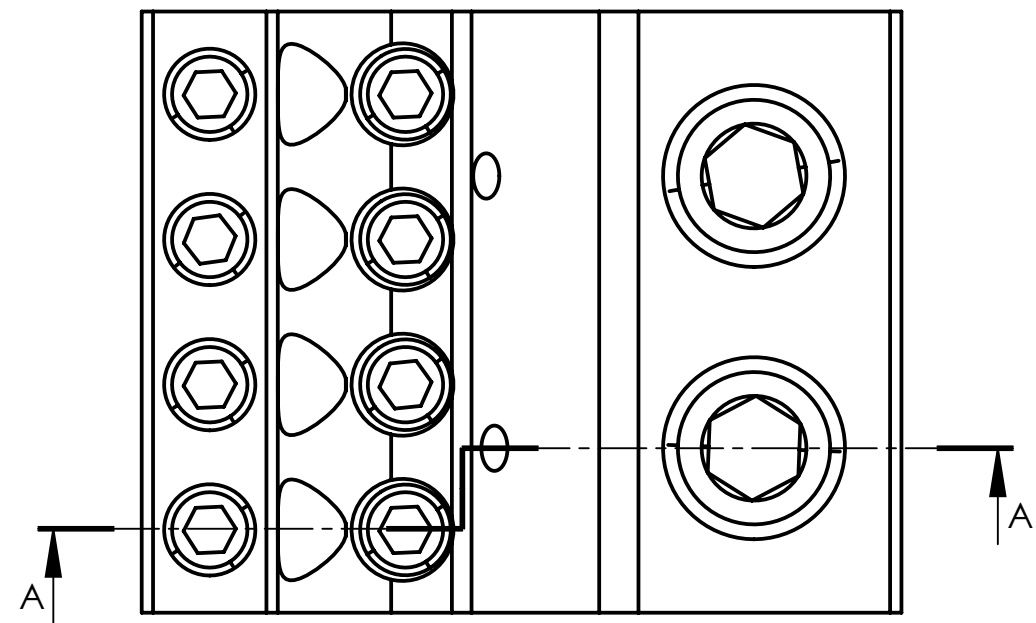
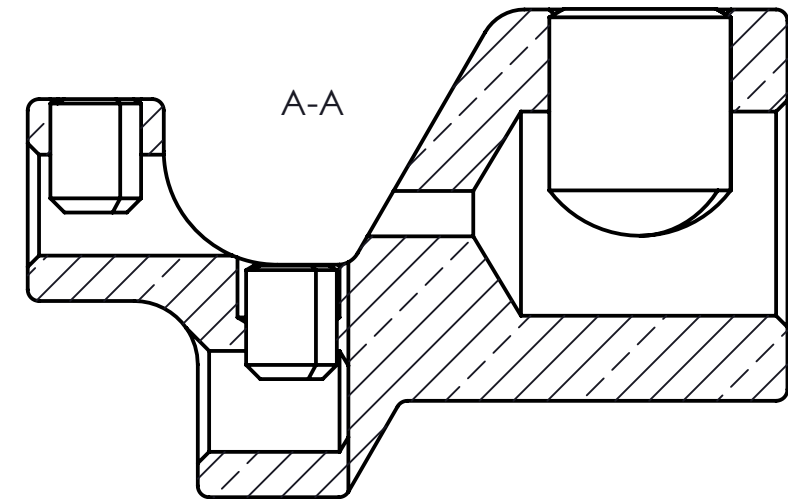
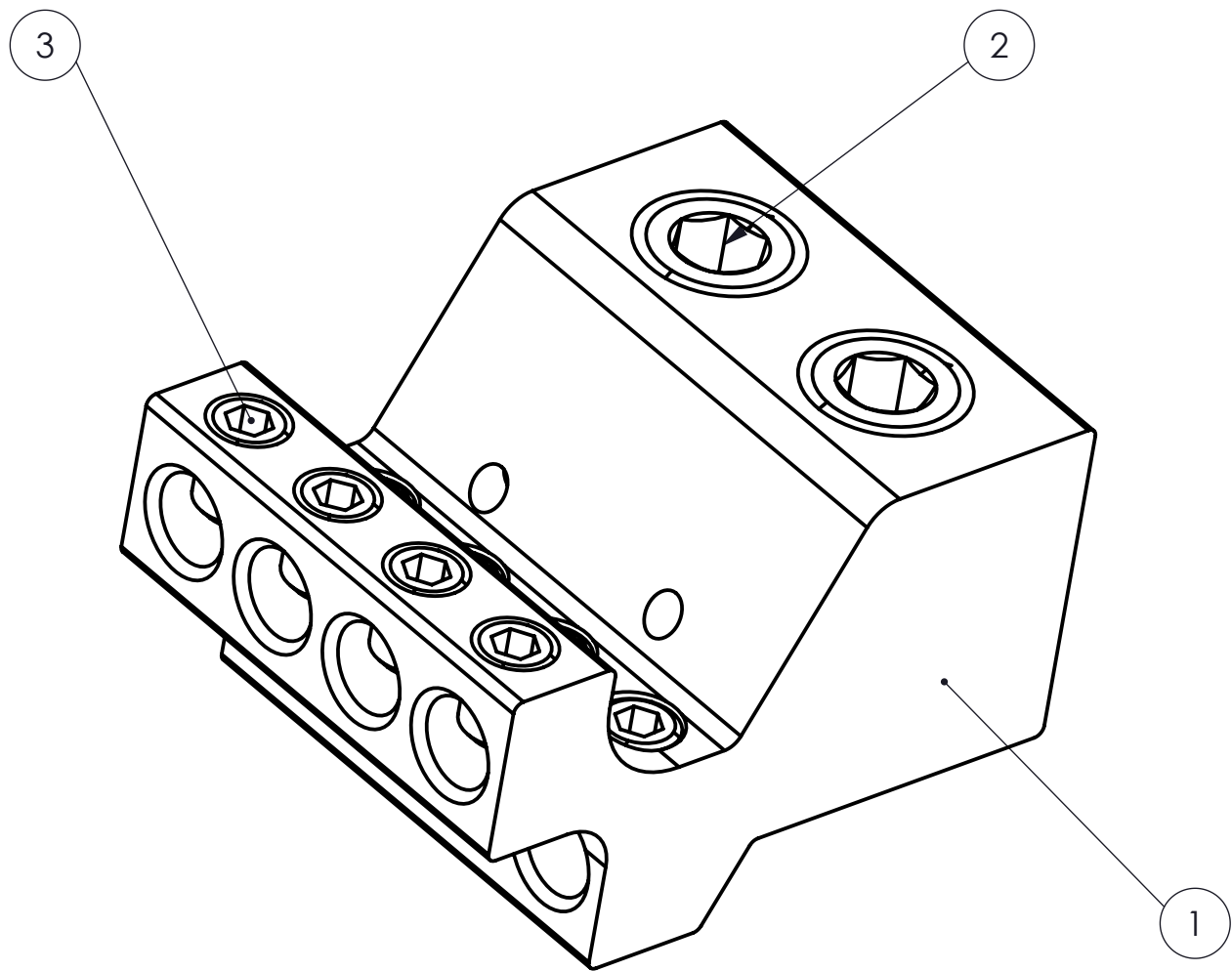
The following Page(s) are related to Illustration-8. The next supplement, if applicable, will be identified with a new Supplement Page Heading



Cu-flash, / 3-4 µm Ni / 7-10 µm Sn

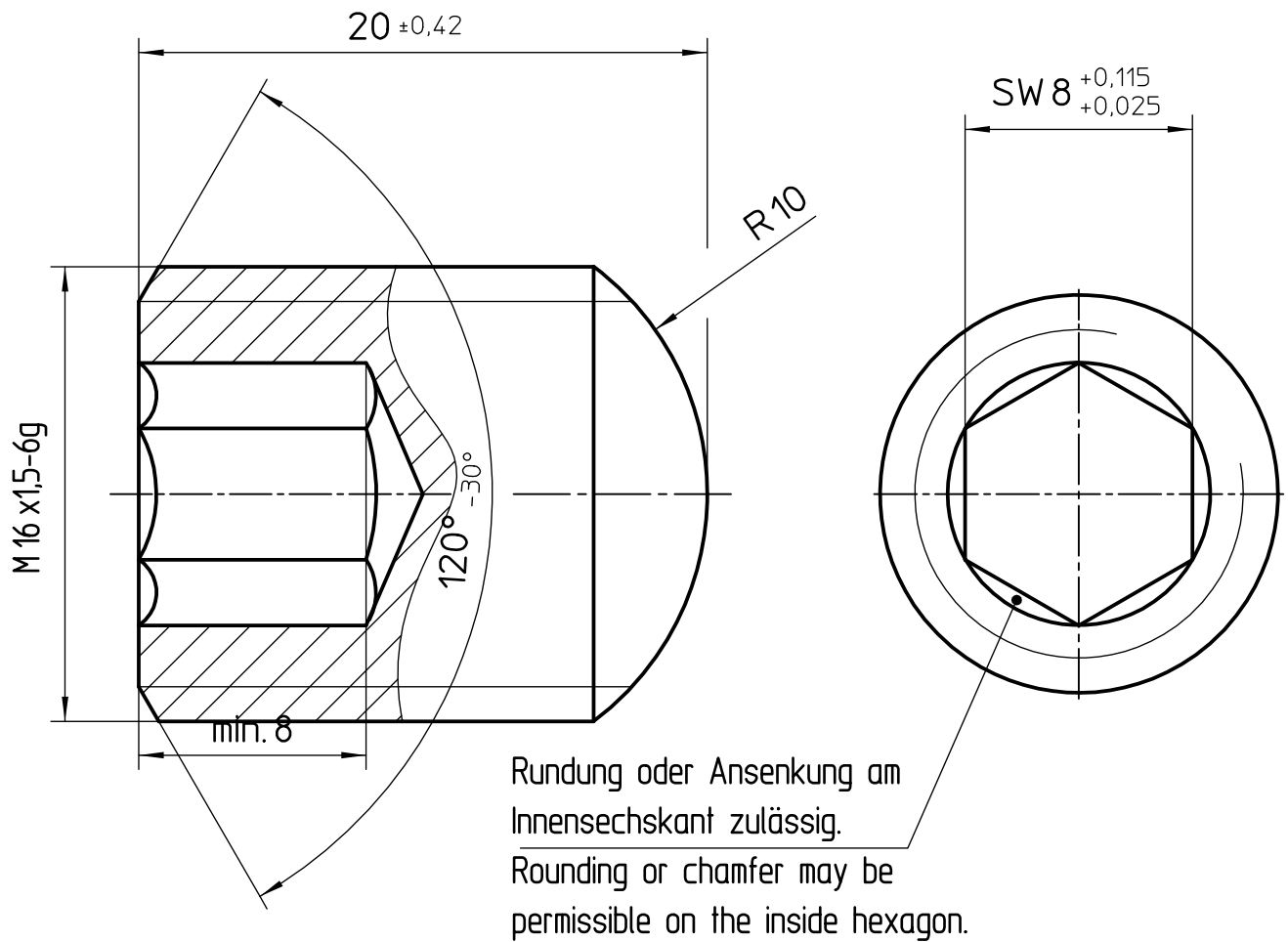
		Datum	Name	2.0401 (CuZn39Pb3)	
Bearb.	08.04.2020	R.Holtmann	Teil	Werkstoff	Werkstoff-Nr.
Gepr.	29.07.2020	B.Rekersbrink	Maßstab	2:1	A3
Norm			Benennung		
a	28.07.2020	R.Holtmann	Messingblock		
Zust.	Datum	Name	PDB 640		
Allgemeintoleranz		Oberfläche	Identnummer		
DIN ISO 2768-m		DIN-ISO 1302 Reihe 2	Zeichnungsnummer		1 von 2
			H54_D9		

Stücklistentabelle							
Pos-Nr.	Material-Nr.	Bezeichnung	Beschreibung	Zeich-Nr.	Material	Oberfläche	054D90-1-3 Stück
1	054D90-1-3	Messingklemme	PDB 640	H54_D9	2.0401 (CuZn39Pb3)	Cu-flash, / 3-4µm Ni / 7-10 µm Sn	1
2	740890	Gewindestift	DIN EN ISO 4026 - M16x1,5x20-45H	74089	Steel 45H	5 µm Zn dickschichtpassiviert	2
3	740420	Gewindestift	DIN EN ISO 4026 - M8x10 -45H	74042	Steel 45H	5 µm Zn dickschichtpassiviert	8

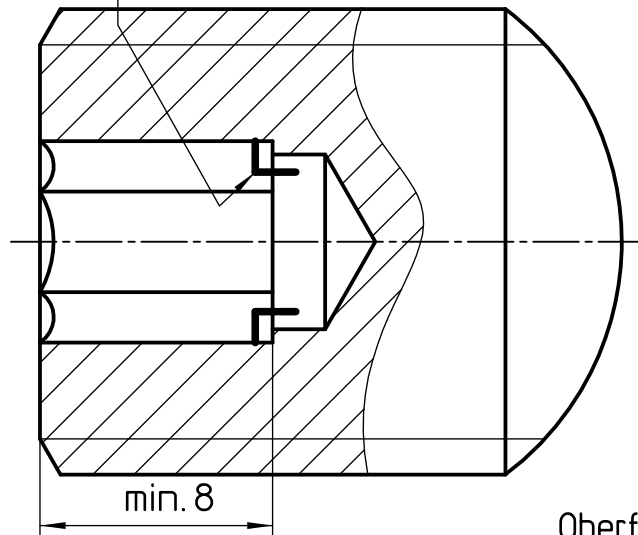


				Datum	Name		2.0401 (CuZn39Pb3)			
			Bearb.	08.04.2020	R.Holtmann	Teil	Werkstoff Werkstoff-Nr.			
			Gepr.	29.07.2020	B.Rekersbrink	Maßstab	1.5:1 A3			
			Norm			Benennung				
a	28.07.2020	R.Holtmann	CAD Solidworks			Messingblock PDB 640				
Zust.	Datum	Name								
Allgemeintoleranz		Oberfläche				Identnummer			Zeichnungsnummer H54_D9	
DIN ISO 2768-m		DIN-ISO 1302 Reihe 2								
						2 von 2				

The following Page(s) are related to Illustration-9. The next supplement, if applicable, will be identified with a new Supplement Page Heading



gratfrei nach dem 6-kant-Stoßen
without burr after hexagon broaching



Alternative
alternative

Oberfläche: 5 μ m Zn, dickschichtpassiviert
surface: 5 μ m Zn, thick layer passivated

			Datum	Name		Stahl (steel) 45H
			Bearb.	09.11.2017	Holtmann	Teil
			Gepr.			Werkstoff
			Norm			Werkstoff-Nr.
						Maßstab
						4:1
						Benennung
						Gewindestift M16x1,5x20
						Innensechskant SW8
Zust.	Datum	Name				Identnummer
Allgemeintoleranz		Oberfläche				740890
DIN 7168-m		DIN-ISO				Zeichnungsnummer
		1302				74089.
		Reihe 2				