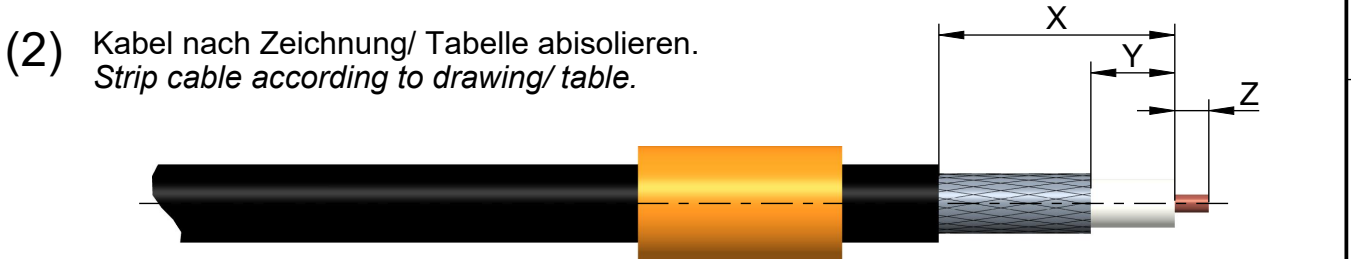
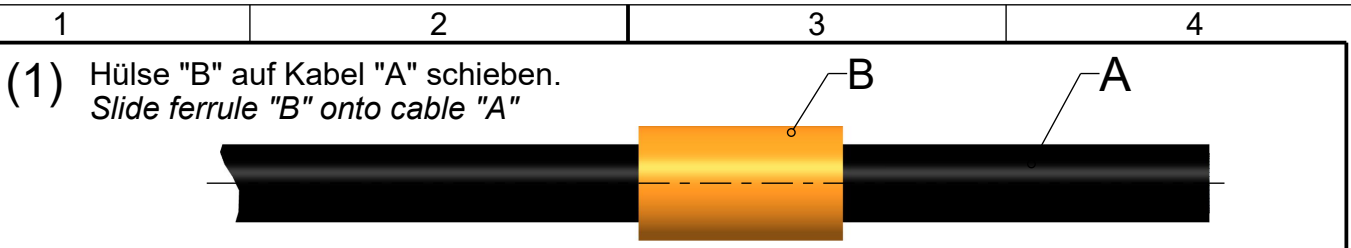


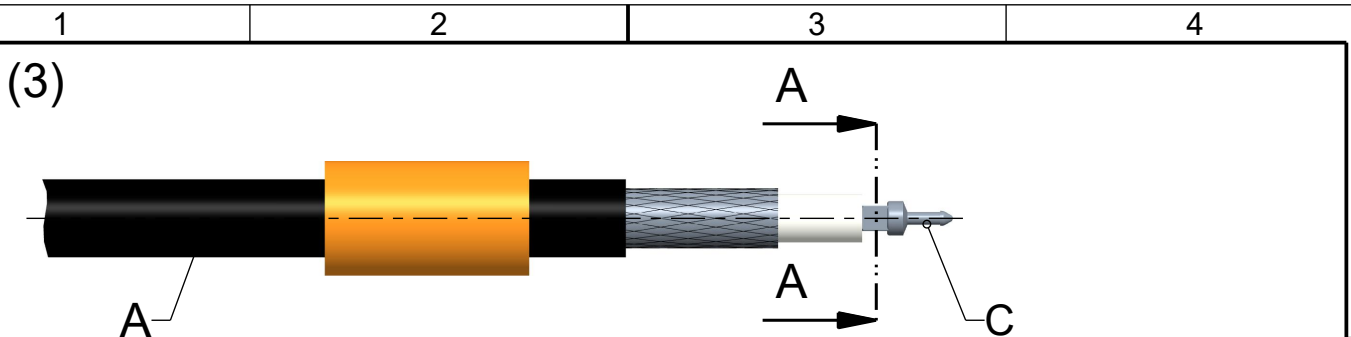
1	2		3		4		
A	A	Kabel / cable					
	B	Crimphülse / crimping sleeve					
	C	Innenleiter / center contact					
	D	Steckerkörper / plug body					
	E	Kunststoffgehäuse / plastic housing					
	E1	Sekundärsicherung / secondary lock					
	F	Deckel / cover					
B	Teile Nummer <i>part number</i>		Kabelgruppe <i>cable group</i>		Werkzeug 1 <i>tool 1</i>	Werkzeug 2 <i>tool 2</i>	
	59K28A-102XX-Y		02 / RG 174		11W150-402	11W150-402	
	59K28C-102XX-Y		02 / RG 316/U-d				
	59K28D-102XX-Y		02 / DACAR 462				
	59K28H-102XX-Y						
59K28L-102XX-Y							
C	59K28H-103XX-Y		03 / RG 179 B/U-d 03 / 1.5DS-QFB (TA)		11W150-402	11W15B-503	
	59K28A-106XX-Y		06 / RG 58		11W150-506	11W150-506	
	59K28C-106XX-Y						
	59K28D-106XX-Y						
59K28H-106XX-Y							
D	59K28A-110XX-Y		10 / RG 59 10 / RG 62		11W150-509	11W150-509	
	59K28A-1D6XX-Y		D6 / DACAR 077		11W150-506	11W150-506	
	59K28H-1D6XX-Y						
	59K28A-1D8XX-Y		D8 / B-75-1.7-2.7		11W150-402	11W150-402	
	59K28H-1D8XX-Y						
	59K28H-1E4XX-Y		E4 / G & G 69337 E4 / DACAR 037 E4 / Draka FL09YBCYW 1.1/2.9 DKB		11W15F-5E4	11W15F-5E4	
	59K28K-1E4XX-Y		E4 / DACAR 037 E4 / Draka FL09YBCYW 1.1/2.9 DKB		11W15S-5E4	11W15S-5E4	
59K28H-1E7XX-Y		E7 / B-61-1.87-2.9		11W150-402	11W150-402		
E	59K28A-1M4XX-Y		M4 / Dacar 302, Dacar 302-3, Dacar 302-4 M4 / G & G 59998 (v00) (w00)		11W150-504	11W150-504	
	59K28C-1M4XX-Y						
	59K28D-1M4XX-Y						
	59K28H-1M4XX-Y						
	59K28L-1M4XX-Y						
Rosenberger		<i>general tolerance</i> ISO 2768 mH		<i>assembly instr.:</i> --- <i>panel piercing:</i> ---		scale: 3:2 (1:1) <i>crimp insert:</i> ---	
		vertraulich / confidential				series: --- ---	
				<i>date</i>		<i>name</i>	
		<i>drawn</i>	14.01.2004	H_Muehlfelln			
		<i>check</i>	20.12.2022	F_Zehentmeie			
		<i>appr.</i>	21.12.2022	F_Danzl			
		<i>u00</i>	16-1628	M_Steinbach			
		<i>t00</i>	15-1459	M_Kolbe			
<i>s00</i>	14-1556	T_Koschel		drawing-no.: MA_59V042		sheet: 1	
<i>r00</i>	13-1291	M2_Mueller				of: 9	
<i>rev.</i>	<i>change-no</i>	<i>name</i>	<i>date</i>			remarks: .	

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Teile Nummer <i>part number</i>	Kabelgruppe <i>cable group</i>	X	Y	Z
59K28A-102XX-Y 59K28C-102XX-Y 59K28D-102XX-Y 59K28H-102XX-Y 59K28L-102XX-Y	02 / RG 174 02 / RG 316/U-d 02 / DACAR 462	9.0±0.2	3.8±0.2	1.5±0.2
59K28H-103XX-Y	03 / RG 179 B/U-d 03 / 1.5DS-QFB (TA)	9.0±0.2	3.8±0.2	1.5±0.2
59K28A-106XX-Y 59K28C-106XX-Y 59K28D-106XX-Y 59K28H-106XX-Y	06 / RG 58	11.1±0.2	3.1±0.2	1.7±0.2
59K28A-110XX-Y	10 / RG 59 10 / RG 62	7.6±0.2	0.5±0.2	2.2±0.2
59K28A-1D6XX-Y 59K28C-1D6XX-Y 59K28D-1D6XX-Y 59K28H-1D6XX-Y	D6 / DACAR 077	10.6±0.2	2.6±0.2	1.7±0.2
59K28A-1D8XX-Y 59K28H-1D8XX-Y	D8 / B-75-1.7-2.7	9.0±0.2	3.8±0.2	1.5±0.2
59K28H-1E4XX-Y	E4 / G & G 69337 E4 / DACAR 037 E4 / Draka FL09YBCYW 1.1/2.9 DKB	11.1±0.2	3.1±0.2	1.7±0.2
59K28K-1E4XX-Y	E4 / DACAR 037 E4 / Draka FL09YBCYW 1.1/2.9 DKB	10.2±0.2	2.2±0.2	1.7±0.2
59K28H-1E7XX-Y	E7 / B-61-1.87-2.9	9.0±0.2	3.8±0.2	1.5±0.2
59K28A-1M4XX-Y 59K28C-1M4XX-Y 59K28D-1M4XX-Y 59K28H-1M4XX-Y 59K28L-1M4XX-Y	M4 / Dacar 302, Dacar 302-3, Dacar 302-4 M4 / G & G 59998 (v00) (w00)	10.4±0.2	3.7±0.2	1.5±0.2

Rosenberger	<i>general tolerance</i>	ISO 2768	<i>assembly instr.:</i>	scale: 3:1 (1:1)	<i>crimp insert:</i> ---				
	mH		panel piercing: ---	series: ---	cable: ---				
vertraulich / confidential			<i>date</i>	Montageanleitung <i>assembly instruction</i>					
w00	22-1754	J_Dandl	08.12.2022						
v00	20-0880	T_Unterhause	23.06.2020						
u00	16-1628	M_Steinbach	20.12.2016						
t00	15-1459	M_Kolbe	29.04.2016						
s00	14-1556	T_Koschel	27.10.2014						
r00	13-1291	M2_Mueller	14.11.2013	<i>drawing-no.:</i> MA_59V042 <table border="1" style="float: right;"> <tr> <td><i>sheet:</i></td> <td>2</td> </tr> <tr> <td><i>of:</i></td> <td>9</td> </tr> </table>		<i>sheet:</i>	2	<i>of:</i>	9
<i>sheet:</i>	2								
<i>of:</i>	9								
<i>rev.</i>	<i>change-no</i>	<i>name</i>	<i>date</i>	<i>remarks:</i> .					



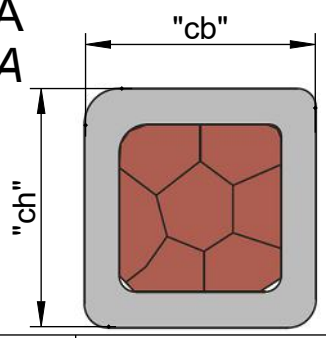
Innenleiter "C" auf den Kabelinnenleiter bis an das Dielektrikum herschieben und crimpen (Werkzeug 1).

Push center contact "C" on the inner conductor of the cable up to the dielectric and crimp it (tool 1).

Der "B-Crimp" ist nach DIN IEC 60352-2:2014-04, oder OEM Werksnorm auszuführen.

"B-crimp" according to DIN IEC 60352-2:2014-04, or OEM group standard.

**Schnitt A-A
section A-A**

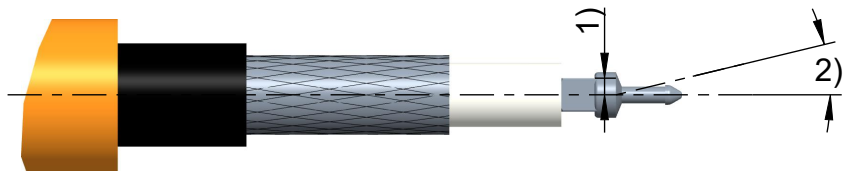


C	Kabelgruppe cable group	Crimpmaße crimp dimensions		Auszugskraft tensile strength
		Crimpbreite "cb" crimp width "cb"	Crimphöhe "ch" crimp height "ch"	
D	02 / RG 174 02 / RG 316/U-d 02 / DACAR 462	0.73±0.03	0.73±0.03	>20N
	03 / RG 179 B/U-d 03 / 1.5DS-QFB (TA)	0.73±0.03	0.73±0.03	>20N
	06 / RG 58	1.1±0.03	1.1±0.03	>60N
D	10 / RG 59 10 / RG 62	1.2±0.03	1.2±0.03	>20N
	D6 / DACAR 077	1.1±0.03	1.1±0.03	>6N
	D8 / B-75-1.7-2.7	0.73±0.03	0.73±0.03	>12N
E	E4 / G & G 69337 E4 / DACAR 037 E4 / Draka FL09YBCYW 1.1/2.9 DKB	1.3±0.05	1.3±0.05	>60N
	E7 / B-61-1.87-2.9	0.73±0.03	0.73±0.03	>20N
	M4 / Dacar 302, Dacar302-3, Dacar 302-4 (w00)	1.1±0.03	1.1±0.03	>60N
E	M4 / G & G 59998 (v00)	1.1±0.03	1.1±0.03	>40N

Die Steckerfunktion darf durch überstehende Einzeldrähte nicht beeinträchtigt werden!
The plug function may not be impaired by supernatant single wires!

Rosenberger	general tolerance	assembly instr.: ---	scale: 3:1 (1:1)	crimp insert: ---
	ISO 2768 mH	panel piercing: ---	series: ---	cable: ---
vertraulich / confidential	date	name	title: Montageanleitung assembly instruction	
w00 22-1754 J_Dandl 08.12.2022	drawn	H_Muehlfelln		
v00 20-0880 T_Unterhause 23.06.2020	check	F_Zehentmeie		
u00 16-1628 M_Steinbach 20.12.2016	appr.	F_Danzl		
t00 15-1459 M_Kolbe 29.04.2016				
s00 14-1556 T_Koschel 27.10.2014			drawing-no.: MA_59V042	sheet: 3
r00 13-1291 M2_Mueller 14.11.2013				of: 9
rev. change-no name date			remarks: .	

(4)



Verarbeitungsanforderungen zur weiteren Montage in den Steckerkörper "D":

- 1) Der Achsversatz des Crimps zum Kabel darf max. 0,3mm betragen.
- 2) Die maximale Auslenkung des Innenleiters ist abhängig von dem Konfektionsprozess. Es muss durch ordnungsgemäßes Einführen des Innenleiters sichergestellt werden, dass die Montage in den Außenleiter zuverlässig und kollisionsfrei durchgeführt werden kann.

Processing requirements for assembling into the plug body "D":

- 1) *The offset regarding to cable is allowed to be max. 0,3mm.*
- 2) *The maximum deflection of the inner conductor is dependent on the assembly process. It must be ensured by correct insertion of the inner conductor, that the assembling process into the outer conductor can be performed reliably and without collision.*

Rosenberger

general tolerance
 ISO 2768
 mH

assembly instr.:

 panel piercing:

scale: 4:1 (1:1)
 series: ---

crimp insert: ---
 cable: ---

vertraulich / confidential

		date	name
w00	22-1754	J_Dandl	08.12.2022
v00	20-0880	T_Unterhause	23.06.2020
u00	16-1628	M_Steinbach	20.12.2016
t00	15-1459	M_Kolbe	29.04.2016
s00	14-1556	T_Koschel	27.10.2014
r00	13-1291	M2_Mueller	14.11.2013
rev.	change-no	name	date

	date	name
drawn	14.01.2004	H_Muehlfelln
check.	20.12.2022	F_Zehentmeie
appr.	21.12.2022	F_Danzl

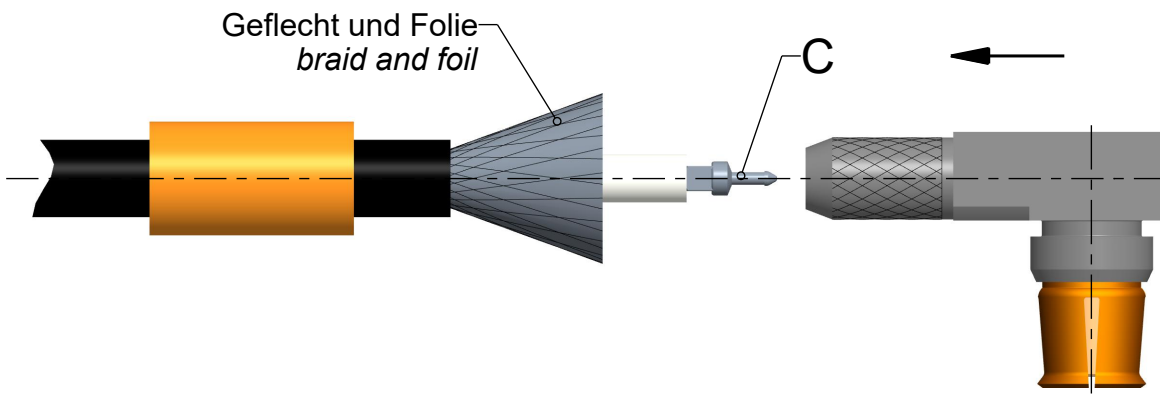
title: **Montageanleitung
 assembly instruction**

drawing-no.: **MA_59V042**

sheet: 4
 of: 9

remarks: .

(5)



Geflecht und Folie aufweiten.
 Der Innenleiter "C" darf dabei nicht verbogen werden.

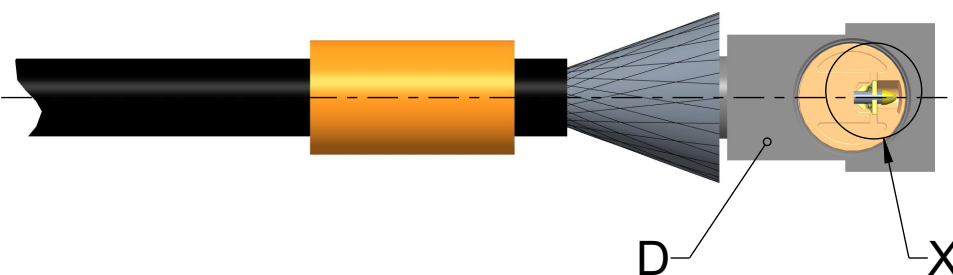
*Splay out the braid and the foil.
 Don't bend the center contact "C" during expanding!*

Alternativ/ alternative:

Geflecht aufweiten und Folie entfernen.
 Der Innenleiter "C" darf dabei nicht verbogen werden.

*Splay out the braid and cut and remove the foil.
 Don't bend the center contact "C" during expanding!*

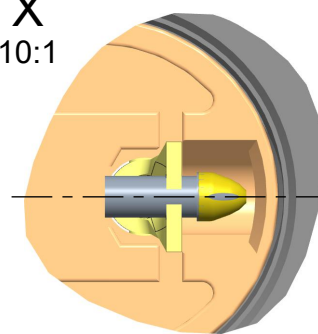
(6)



Vorbereitetes Kabel in den Steckerkörper "D" einschieben bis Innenleiter spürbar einrastet. Die Spitze des Innenleiters "C" muss gut sichtbar über den Mittelkontakt hinausragen. Rotation um die Längsachse ist zu vermeiden, wechselseitiges Rotieren ist nicht erlaubt.

Push the prepared cable into the connector body "D" until the center contact engages perceptible. The top of the center contact "C" must visibly protrude through the centre contact. Rotation around the long axis should be avoided, alternating rotation is prohibited.

X
 10:1



Rosenberger

general tolerance
 ISO 2768
 mH

assembly instr.:

 panel piercing:

scale: 3:1 (1:1)
 series: ---

crimp insert: ---
 cable: ---

vertraulich / confidential

	date	name
w00	22-1754	J_Dandl
v00	20-0880	T_Unterhause
u00	16-1628	M_Steinbach
t00	15-1459	M_Kolbe
s00	14-1556	T_Koschel
r00	13-1291	M2_Mueller
rev.	change-no	name

date	name
14.01.2004	H_Muehlfelln
20.12.2022	F_Zehentmeie
21.12.2022	F_Danzl

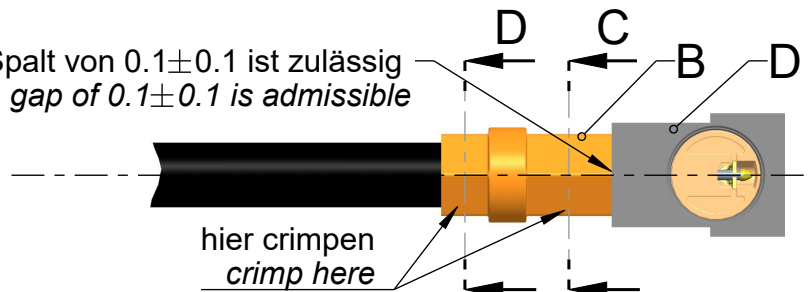
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 assembly instruction**

drawing-no.: MA_59V042

sheet: 5
 of: 9

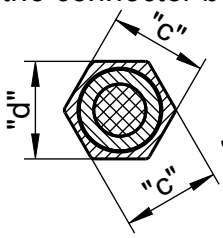
(7)

Spalt von 0.1 ± 0.1 ist zulässig
 gap of 0.1 ± 0.1 is admissible



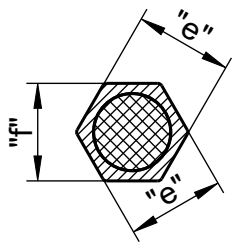
Crimphülse "B" über das Geflecht bis an den Steckerkörper "D" heranschieben und möglichst nahe am Steckerkörper crimpen (Werkzeug 2).

Slide crimping sleeve "B" over the braid up to the connector body "D" as close to the connector body as possible and crimp it (tool 2).



Schnitt C-C
 section C-C

** Werkzeuggebunden
 ** tool related



Schnitt D-D
 section D-D

1) Nur anwendbar für Werkzeug 11W15S-5E4
 1) Only applicable for tool 11W15S-5E4

Kabelgruppe cable group	Crimpmaße crimp dimensions				Auszugskraft tensile strength
	C-C Crimpmaße C-C crimp dimensions		D-D Crimpmaße D-D crimp dimensions		
	"c"	"d"	"e"	"f"	
02 / RG 174 02 / RG 316/U-d 02 / DACAR 462	(3.3 ± 0.05) **	3.3 ± 0.05	N.A.	N.A.	>110N
03 / RG 179 B/U-d 03 / 1.5DS-QFB (TA)	(3.3 ± 0.05) **	3.3 ± 0.05	(3.3 ± 0.05) **	3.3 ± 0.05	>110N
06 / RG 58	(5.35 ± 0.1) **	5.35 ± 0.1	N.A.	N.A.	>110N
10 / RG 59 10 / RG 62	(6.5 ± 0.1) **	6.5 ± 0.1	N.A.	N.A.	>110N
D6 / DACAR 077	(5.35 ± 0.1) **	5.35 ± 0.1	N.A.	N.A.	>110N
D8 / B-75-1.7-2.7	(3.3 ± 0.05) **	3.3 ± 0.05	N.A.	N.A.	>110N
E4 / G & G 69337	(5.5 ± 0.05) **	5.5 ± 0.05	N.A.	N.A.	>110N
E4 / DACAR 037 E4 / Draka FL09YBCYW 1.1/2.9 DKB	(5.5 ± 0.05) **	5.5 ± 0.05	N.A.	N.A.	>110N
E7 / B-61-1.87-2.9	(3.3 ± 0.05) **	3.3 ± 0.05	N.A. 1)	N.A. 1)	>110N
M4 / Dacar 302 Dacar 302-3, Dacar 302-4 M4 / G & G 59998	(4.3 ± 0.05) **	4.3 ± 0.05	N.A.	N.A.	>110N

Rosenberger

general tolerance
 ISO 2768
 mH

assembly instr.:

 panel piercing:

scale: 3:1 (1:1)
 series: ---

crimp insert: ---
 cable: ---

vertraulich / confidential

rev.	change-no	name	date
w00	22-1754	J_Dandl	08.12.2022
v00	20-0880	T_Unterhause	23.06.2020
u00	16-1628	M_Steinbach	20.12.2016
t00	15-1459	M_Kolbe	29.04.2016
s00	14-1556	T_Koschel	27.10.2014
r00	13-1291	M2_Mueller	14.11.2013

date	name
14.01.2004	H_Muehlfelln
20.12.2022	F_Zehentmeie
21.12.2022	F_Danzl

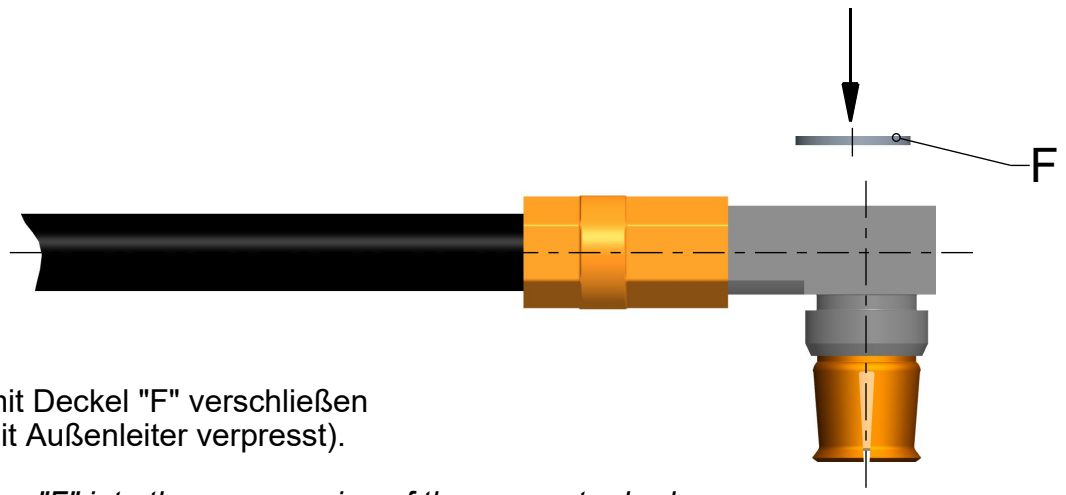
title: **Montageanleitung
 assembly instruction**

drawing-no.: **MA_59V042**

sheet: 6
 of: 9

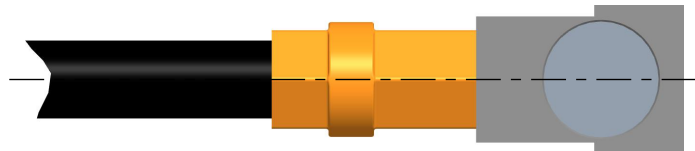
remarks: .

(8)



Öffnung mit Deckel "F" verschließen
 (bündig mit Außenleiter verpresst).

*Press cover "F" into the rear opening of the connector body
 (pressed in flush with outer contact).*



Auflagefläche für die Verpressung des Deckels.
Bearing surface for pressing the cover.



PD_FB_01

-METRIC-

ISO-Projektion
 Methode 1

Rosenberger			general tolerance		assembly instr.: ---		scale: 3:1 (1:1)		crimp insert: ---		
			ISO 2768		panel piercing: ---		series: ---		cable: ---		
			mH				---		---		
vertraulich / confidential			date		name		title: Montageanleitung assembly instruction				
drawn		14.01.2004	H_Muehlfelln								
v00		20-0880	T_Unterhause	23.06.2020	check.		20.12.2022		F_Zehentmeie		
u00		16-1628	M_Steinbach	20.12.2016	appr.		21.12.2022		F_Danzl		
t00		15-1459	M_Kolbe	29.04.2016	drawing-no.: MA_59V042						sheet: 7
s00		14-1556	T_Koschel	27.10.2014							of: 9
r00		13-1291	M2_Mueller	14.11.2013							remarks: .
rev.		change-no	name	date							

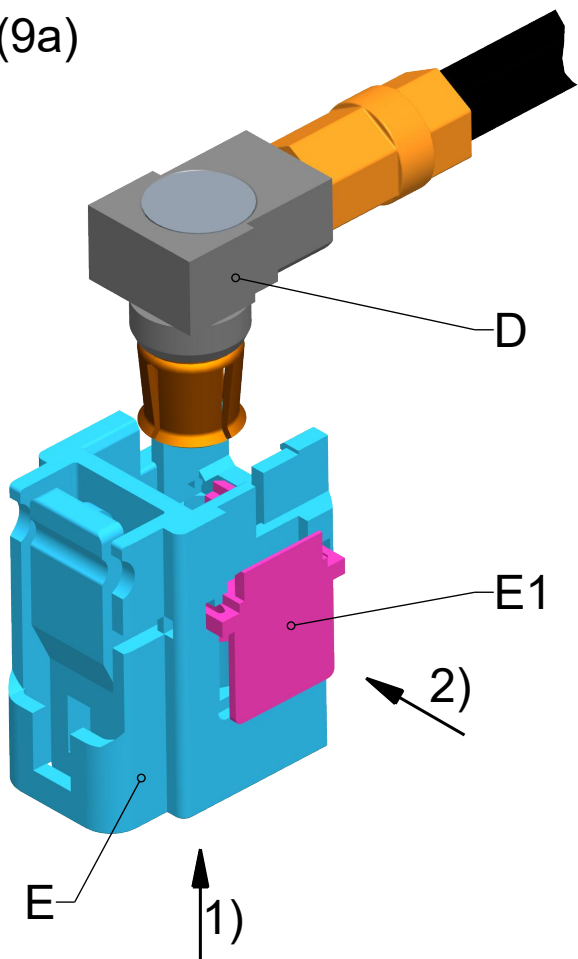
1

2

3

4

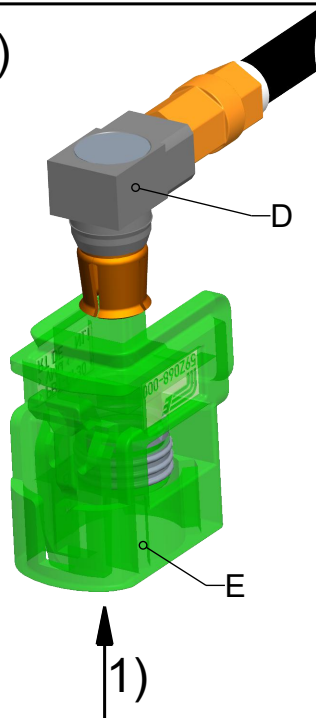
(9a)



- 1) Steckerkörper "D" mit angecrimpten Kabel in Gehäuse "E" einführen bis Kontakt spürbar einrastet.
- 2) Sekundärsicherung "E1" vollständig bis zur spürbaren Verrastung eindrücken.

- 1) Push in the connector body "D" with cable into the plastic housing "E" until the insert engages perceptibly.
- 2) Push secondary lock "E1" completely until stop.

(9b)



- 1) Steckerkörper "D" mit angecrimpten Kabel in Gehäuse "E" einführen bis Kontakt spürbar einrastet. Auf exakte Ausrichtung achten

- 1) Push in the connector body "D" with cable into the plastic housing "E" until the insert engages perceptibly. Pay attention to exact alignment

Darstellung zeigt montierten Zustand.
 Drawing shows connector fully assembled.

Rosenberger

general tolerance
 ISO 2768
 mH

assembly instr.:

 panel piercing:

scale: 3:1 (1:1)

crimp insert: ---

series: ---

cable: ---

vertraulich / confidential

rev.	change-no	name	date
w00	22-1754	J_Dandl	08.12.2022
v00	20-0880	T_Unterhause	23.06.2020
u00	16-1628	M_Steinbach	20.12.2016
t00	15-1459	M_Kolbe	29.04.2016
s00	14-1556	T_Koschel	27.10.2014
r00	13-1291	M2_Mueller	14.11.2013

	date	name
drawn	14.01.2004	H_Muehlfelln
check.	20.12.2022	F_Zehentmeie
appr.	21.12.2022	F_Danzl

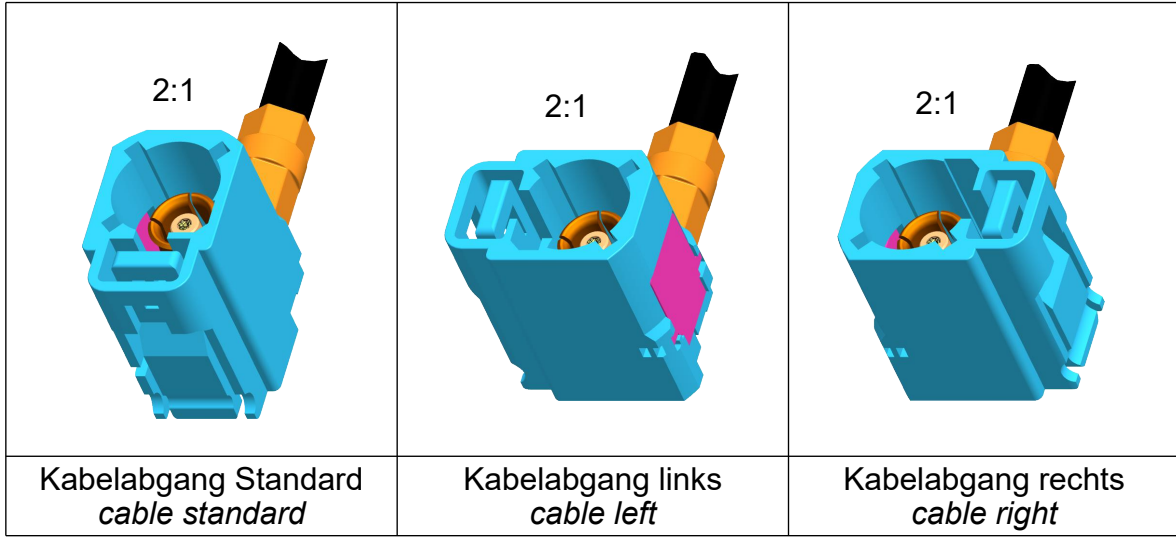
title: Montageanleitung assembly instruction	
drawing-no.: MA_59V042	sheet: 8
remarks: .	of: 9

1 2 3 4

A

(10)

A



B

B

C

C

Revision	Change
v00	added new cable G&G59998
w00	added 59K28L-1M4XX-Y, added Dacar 302-4, Dacar 302-3, Dacar 302 + removed RTK031

D

D

Darstellung zeigt montierten Zustand.
 Drawing shows connector fully assembled.

E

E

Rosenberger			general tolerance	assembly instr.:	scale: 3:1 (1:1)	crimp insert: ---	
			ISO 2768	---	series: ---	cable: ---	
vertraulich / confidential			mH	panel piercing:	---	---	
			---	---	---	---	
			date	name	Montageanleitung assembly instruction		
w00	22-1754	J_Dandl	08.12.2022	H_Muehlfelln			
v00	20-0880	T_Unterhause	23.06.2020	F_Zehentmeie			
u00	16-1628	M_Steinbach	20.12.2016	F_Danzl			
t00	15-1459	M_Kolbe	29.04.2016				
s00	14-1556	T_Koschel	27.10.2014		drawing-no.:	MA_59V042	
r00	13-1291	M2_Mueller	14.11.2013		sheet:		9
rev.	change-no	name	date		remarks:	of:	9

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