TEILE - NR. *PART - NO.*	ANSCHLUSS-BEREICH *CRIMP SIZE* (mm²)	CRIMP-CODE	DRAHTQUER-SCHNITT *WIRE SIZE* (mm²)	ISOLATION D INSULATION D (mm) 1	L±0.4	DRAHTCRIMP *WIRE CRIMP* 5 CH_C	CW_C±0.05	*ISOLATIONSCRIMP INSULATION CRIMP* 4 5 CH_I ±0.05	CW_I ±0.1	CRIMP-TYP *CRIMP TYPE*	LI	EINZELADERDICHTUNG (EAA) *SINGLE WIRE SEAL (SWS)* 4 5 MVLI-NR. *MVL-NO.*	DELPHI NO.	FARBE *COLOR*	FUER KAMMER-Ø *FOR CAVITY-Ø*	CRIMP-WERKZEUG NR. *CRIMPING TOOL NR.*
6 001 21 11/14 6 001 29 11/14 6 001 40 11/12 6 001 42 14 6 011 05 11/14 6 011 07 11/14 6 011 07 12 F220300; F198600	>0.22-0.35	▯	0.35	1.2-1.4	3.8	1.01±0.03	1.67	3.60	3.80	O-CRIMP	0.25 ±0.15	6 099 40 15	10779162	BLAU *BLUE*	ZEICHNUNG 9 001 07 10 5.2±0.15	6 520 04 05 REV. A
			AWG 22 TXL	1.45-1.65	3.8	1.01±0.03	1.67	3.75	3.87		0.25 ±0.15					
6 001 21 31/34 6 001 29 31/34 6 001 40 31/32 6 001 42 34 6 011 05 31/34 6 011 07 31/34 6 011 07 32 F028600; F320300	0.5-1.0	▯▯	0.50	1.4-1.6	4.3	1.17±0.04	2.07	3.75	3.87	O- CRIMP	0.4 ±0.2	6 099 40 15	10779162	BLAU *BLUE*		6 520 04 06 REV. A
			AWG 20 TXL	1.7-2.0	4.3	1.17±0.04	2.08	3.95	3,92		0.4 ±0.2					
			0.75	1.7-1.9	4.3	1.20±0.04	2.08	3.95	3.87		0.4 ±0.2					
			AWG 18 TXL	1.8-2.0	4.3	1.20±0.04	2.08	4.05	3.90		0.4 ±0.2					
			1.00	1.9-2.1	4.3	1.25±0.04	2.08	4.15	3.92		0.4 ±0.2					
6 001 21 41/44 600129 41/44 6 00140 41/42 6 001 42 44 6 011 05 41/44; 6 011 07 41/44 6 011 07 42 F128600; F420300	>1.0-2.5	▯▯▯	AWG 16 TXL	2.05-2.3	4.3	1.45±0.05	2.64	3.60	4.38	O-CRIMP	0.4 ±0.2	6 099 40 23	10779159	ROT-BRAUN *RED-BROWN*		6 520 04 07 REV. B
			1.50	2.2-2.4	4.3	1.55±0.05	2.65	3.60	4.25		0.4 ±0.2					
			AWG 14 TXL	2.0-2.7	4.3	1.60±0.05	2.66	TBD	TBD		0.4 ±0.2					
			2.00	2.3-2.55	4.3	1.58±0.03	2.65	3.75	4.25		0.4 ±0.2					
			2.50	2.7-3.0	4.3	1.75±0.05	2.68	3.75	4.30		0.4 ±0.2	6 099 40 34	10779161	*GELB YELLOW*		

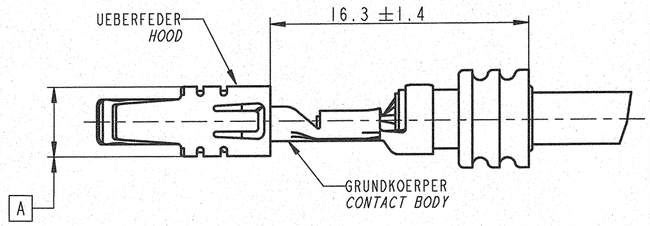


BILD 1: FLACHKONTAKT DCS2-2.8 MIT EAA
PICTURE 1: FEMALE CONTACT DCS2-2.8 WITH SWS

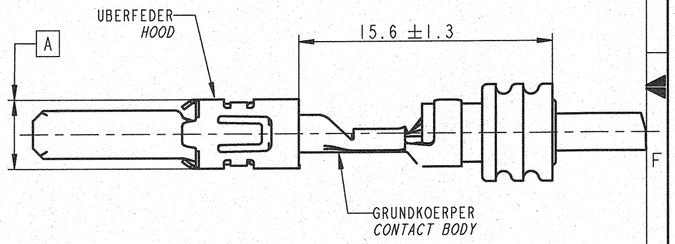
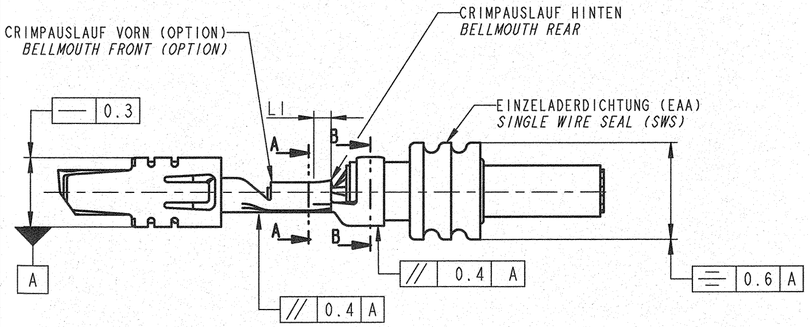
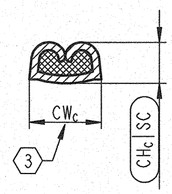


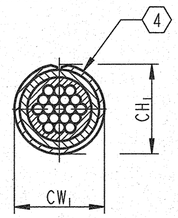
BILD 2: FLACHSTECKER DCS2-2.8 MIT EAA
PICTURE 2: MALE CONTACT DCS2-2.8 WITH SWS



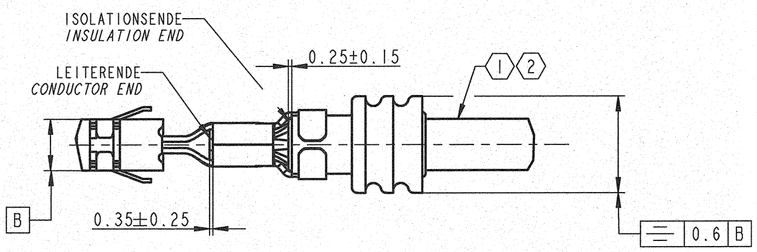
A-A
DRAHTCRIMP
WIRE CRIMP

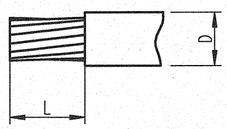


B-B
ISOLATIONSCRIMP
INSULATIONS CRIMP



TYP: O-CRIMP
TYP: O-CRIMP





ABISOLIERLAENGE
STRIP LENGTH

BEMERKUNGEN / *NOTES*

1. LEITUNGEN NACH / *WIRE TYPES TO*: FLR DIN 72551-6 AUSGENOMMEN 2mm² und AWG-LEITUNGEN / *EXCEPT WIRE SECTION 2mm² AND AWG-CABLES*
2. AUSREISSKRAFT DES LEITERS AUS DEM DRAHTCRIMP SIEHE: / *EXTRACTION FORCE OF WIRE OUT THE WIRE CRIMP SEE*: DIN EN 60 352-2.
3. CW_C EFFEKTIVE CRIMPBREITE DRAHTCRIMP / *EFFECTIVE CRIMP WIDTH WIRE CRIMP*
4. DIE VERWENDUNG DER EINZELDICHTUNGEN IST ABHÄNGIG VOM ISOLATIONSDURCHMESSER DER LEITUNG UND NICHT VOM LEITUNGSQUERSCHNITT. DURCH DEN CRIMPVORGANG DARF DIE EINZELDICHTUNG IM BEREICH DES BUNDDURCHMESSERS NICHT EINGESCHNITTEN ODER VERLETZT WERDEN. DRUCKSTELLEN UND MARKIERUNGEN SIND ZULAESSIG, WENN SIE NICHT ZUR RISSBILDUNG ODER DURCHTRENNEN DER DICHTUNG FUEHREN.
   THE APPLICATION OF SINGLE WIRE SEALS IS DEPENDS ON THE INSULATION DIAMETER AND NOT FROM THE WIRE SECTION. AFTER CRIMPING THE SWS DO NOT HAVE VISIBLE CUTS OR NOTCHES AROUND THE DIAMETER OF COLLAR. ONLY PRESSURE POINTS OR MARKS ALLOWED, WHICH CAN NOT CAUSE TEARING OR SPLITTING OF IN THE LONG TERM.
5. ES GELTEN DIE ALLGEMEINEN RICHTLINIEN ZUR VERARBEITUNG VON KONTAKTEN MIT OFFENEN CRIMPHUELSEN NACH DELPHI-VERARBEITUNGS-SPEZIFIKATION: 9 902 00 20
   GENERAL GUIDLINES FOR THE APPLICATION OF CONTACTS WITH OPEN CRIMP BARRELS IS JVALID TO DELPHI SPECIFICATION: 9 902 00 20

Pruefmasz
Check dimension
100% Pruefmasz (100% Pruefung)
Check dimension (100% Check)
SC Sicherheitsrelevantes Masz
Significant characteristic

ECN-NO. *ECN NUMMER*	DATE DD/ MM / YY *DATUM*	REVISION *INDEX*	POSITION *POSITION*	CHANGE DESCRIPTION *ÄNDERUNG*	DRAWN BY *GEZ.*	CHK. BY *GEPR.*	APPR. BY *GEN.*
16-17304	03.03.16	N		NEW REVISION ADAPT TO NEW UPDATES ON PAGE 6	P.Nuetzel	R.Reger	St.Müller
~~15-13782~~	~~26.11.15~~	~~M~~		Part no. F198600 added; Crimp type for (>0.22-0.35)mm² was corrceted to O-Crimp; CHI and CWI for 2mm² were added; error for coaxiality with value I were deleted and substitute by error of symmetric; deviation of straightness was added insul.-Ø for 2mm² was 2.5-2.7 mm; view wrap crimp was deleted	P.Nuetzel	R. Reger	St.Mueller
~~14-02721~~	~~25.02.14~~	~~L~~		NEW REVISION ADAPT TO NEW UPDATES ON PAGE 2; 3; AND 5	St.Mueller	P.Nuetzel	F.Pacher
~~13-00829~~	16.07.13	~~K~~		CH_C was for 0.35mm² 1.06±0.03; CH_C was for 1mm² 1.35±0.05; CH_C was for 0.75mm² 1.27±0.05; CH_C was for 0.5mm² 1.2±0.05 CW_C had tolerance±0.25 and were reworked for all versions; CH_I had no tolerance field; CW_I values were as follow : 0.35mm²: $3.8^{+0.2}$; (0.5-1)mm²: $3.8^{+0.25}$ (>1-2.5)mm²: $4.2^{+0.25}$; CH_I was as follow: for 0.35mm² 3.9±0.1; for AWG22 TXL (3.8); for 0.5mm² 3.9±0.15; for AWG20 TXL (3.9); for 0.75mm² 4±0.15; for AWG18 TXL (3.9); for 1mm² 4.1±0.15; for AWG16 TXL (4.2); for 1.5mm² (4.2); for AWG14 TXL (4.2); for 2mm² (4.2); for 2.5mm² (4.2); row with Veritas numbers were substitude by Delphi numbers; row application spec. was deleted; note point 4 was reworked; row insulation crimp type was added; revision no, for crimp applic. 6 520 04 07 was A	St. Müller	S. Weiss	J. Muehlmichel

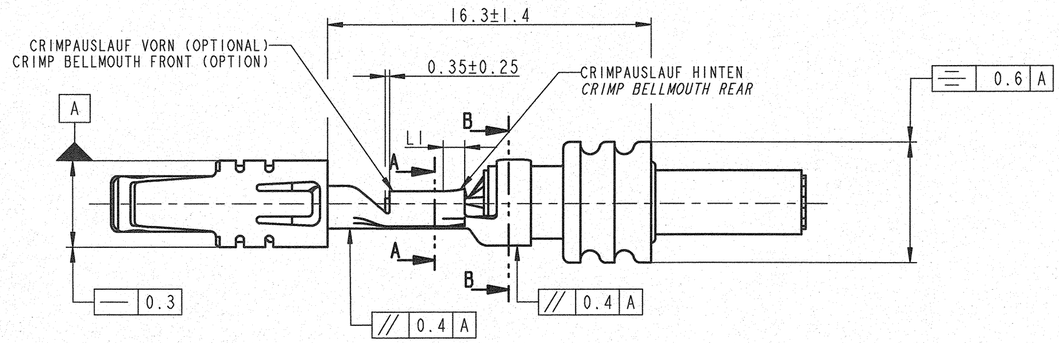
PRODUCT SPEC. *PRODUKT SPEZIFIK.*	PACKAGING SPEC. *VERPACKUNGS SPEZIFIK.*	APPLICATION SPEC. *ANWENDUNGS SPEZIFIK.*
---	---	---

COPYRIGHT DELPHI CORPORATION AND/OR ITS AFFILIATES. ALL RIGHTS RESERVED. REVISED
THIS DRAWING IS THE PROPERTY OF DELPHI CORPORATION. THE REPRODUCTION, DISTRIBUTION AND UTILIZATION OF THIS DOCUMENT OR ITS RELATED CAD MATH DATA, AS WELL AS COMMUNICATION OF ANY CONTENT TO OTHERS, WITHOUT EXPRESS AUTHORIZATION IS PROHIBITED.
DIESE ZEICHNUNG IST EIGENTUM DER FIRMA DELPHI UND ENTHÄLT DELPHI VERTRAULICHE INFORMATIONEN. DIE REPRODUKTION, VERTEILUNG UND NUTZUNG DIESES DOKUMENTES ODER DERIER ZUGEHÖRIGEN CAD DATEN, SOWIE AUCH ALS KOMMUNIKATION VON INHALTEN DRITTEN ZU ANDEREN, IST OHNE BERECHTIGUNGSPRÜFUNG DURCH DIE DELPHI CORPORATION UNZULÄSSIG.

TOLERANCES DIN ISO 2768- mH *TOLERANZEN* DIN ISO 1101	MATERIAL : *MATERIAL* :---	SURFACE FINISH *OBERFLÄCHE* ---	DELPHI — DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE NUREMBERG GERMANY
COUNTERPART Nr. *GEGENSTÜCK Nr.* ---	COLOUR : *FARBE* : ---		CAD SYSTEM pro / eng.
DO NOT SCALE DRAWING *ZEICHNUNG NICHT VERMESSEN*	TOOL NO. *WERKZEUG Nr.*	ECO Loc. Code *STANDORT CODE* GN	ISO PROJECTION *ISO PROJEKTION* / DIMENSION IN MILLIMETERS *BEMASSUNG IN MILLIMETERN* / DWG SIZE *FORMAT* A2
DRAWN BY *GEZ.* DATE *DATUM* 21.02.14 NAME *NAME* ST.Muller	TITLE *BENENNUNG* CRIMP- SPECIFIC. MALE- AND FEMALE DCS2-2.8 FOR APPLICATIOn WITH SWS	DRAWING NUMBER *ZEICHN. NUMMER* 9 084 11 00	SHEET *BLATT* 1 of 7
CHECKED BY *GEPR.* 21.02.14 P. Nuetzel			
APPROVED BY *GEN.* 24.02.14 S. Weiss	ESR NO. *ESR NUMMER* --	CAT. NO. *KATALOG Nr.* ---	FILE NAME *DATEI NAME* 90841100_N / SCALE *M:* 10:1

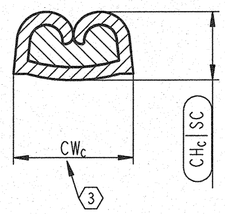
EUR C04 112 F29

TEILE - NR. *PART - NO.*	ANSCHLUSS-BEREICH *CRIMP SIZE* (mm²)	CRIMP-CODE	DRAHTQUER-SCHNITT *WIRE SIZE* (mm²)	ISOLATION D *INSULATION D* (mm) 1	L±0.4	DRAHTCRIMP *WIRE CRIMP* 5 CH_C	CW_C±0.05	ISOLATIONSCRIMP *INSULATION CRIMP* 4 5 CH_I ±0.05	CW_I ±0.1	CRIMP-TYP *CRIMP TYPE*	LI	EINZELADERDICHTUNG (EAA) *SINGLE WIRE SEAL (SWS)* MVL-NR. *MVL-NO.*	DELPHI NO.	FARBE *COLOR*	4 5 FUER KAMMER-Ø *FOR CAVITY-Ø*	CRIMP-WERKZEUG NR. *CRIMPING TOOL NR.*
33400871; 33522784; 33522783; 33522782; 33400872; F622510; F722510; F822510	>0.22-0.35	1	0.35	1.2-1.4		1.01±0.03	1.67	3.60	3,80	O-CRIMP	0.25 ±0.15	6 099 40 15	10779162	BLAU BLUE	ZEICHNUNG 9 001 07 10 5.2±0.15	6 520 04 46
33400873; 33400874; 33523143; 33523144; 33523145; F922510; F132510; F032510	0.5-1.0	2	0.50	1.4-1.6	4.3	1.17±0.04	2.07	3.75	3.87		0.4 ±0.2	6 099 40 15	10779162	BLAU *BLUE*		6 520 04 09
			AWG 20 TXL	1.7-2.0	4.3	1.17±0.04	2.08	3.95	3,92							
			0.75	1.7-1.9	4.3	1.20±0.04	2.08	3.95	3.87							
			AWG 18 TXL	1.8-2.0	4.3	1.20±0.04	2.08	4.05	3.90							
			1.00	1.9-2.1	4.3	1.25±0.04	2.08	4.15	3.92							
33400875; 33400876; 33523146; 33523147; 33523148; F232510; F332510; F432510	>1.0-2.5	3	AWG 16 TXL	2.05-2.3	4.3	1.45±0.05	2.64	3.60	4.38		0.4 ±0.2	6 099 40 23	10779159	ROT-BRAUN *RED-BROWN*		6 520 04 39
			1.50	2.2-2.4	4.3	1.55±0.05	2.65	3.60	4.25							
			AWG 14 TXL	2.0-2.7	4.3	1.60±0.05	2.66	TBD	TBD							
			2.00	2.3-2.55	4.3	1.58±0.03	2.65	3.75	4.25							
			2.50	2.7-3.0	4.3	1.75±0.05	2.68	3.75	4.30			6 099 40 34	10779161	*GELB YELLOW*		



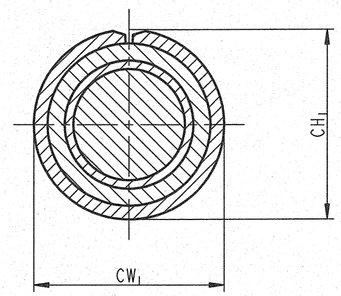
A-A

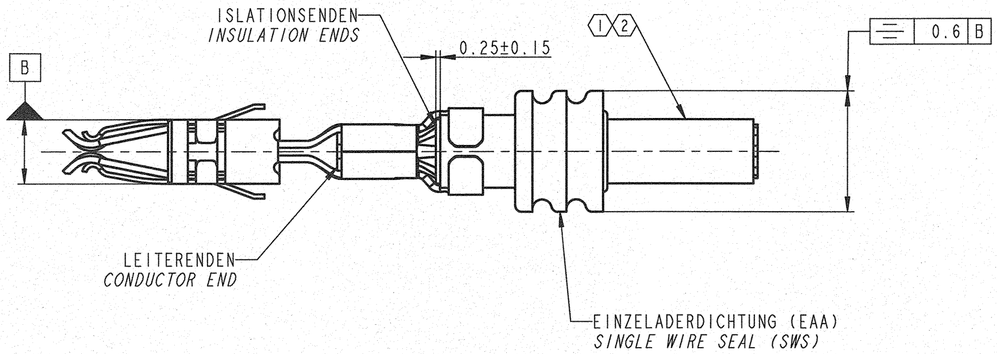
DRAHTCRIMP
WIRE CRIMP

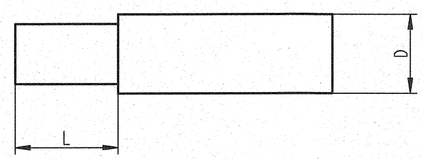


B- B

ISOLATIONSCRIMP-TYP: O-CRIMP
INSULATION CRIMP-TYPE: O-CRIMP







ABISOLIERLAENGE
STRIP LENGTH

BEMERKUNGEN / *NOTES*

1. LEITUNGEN NACH / *WIRE TYPES TO*: FLR DIN 72551-6 AUSGENOMMEN 2mm² und AWG-LEITUNGEN / *EXCEPT WIRE SECTION 2mm² AND AWG-CABLES*
2. AUSREISSKRAFT DES LEITERS AUS DEM DRAHTCRIMP SIEHE: / *EXTRACTION FORCE OF WIRE OUT THE WIRE CRIMP SEE*: DIN EN 60 352-2.
3. CW_C EFFEKTIVE CRIMPBREITE DRAHTCRIMP / *EFFECTIVE CRIMP WIDTH WIRE CRIMP*
4. DIE VERWENDUNG DER EINZELDICHTUNGEN IST ABHÄNGIG VOM ISOLATIONSDURCHMESSER DER LEITUNG UND NICHT VOM LEITUNGSQUERSCHNITT. DURCH DEN CRIMPVORGANG DARF DIE EINZELDICHTUNG IM BEREICH DES BUNDDURCHMESSERS NICHT EINGESCHNITTEN ODER VERLETZT WERDEN. DRUCKSTELLEN UND MARKIERUNGEN SIND ZULAESSIG, WENN SIE NICHT ZUR RISSBILDUNG ODER DURCHTRENNEN DER DICHTUNG FUEHREN.
   THE APPLICATION OF SINGLE WIRE SEALS IS DEPENDS ON THE INSULATION DIAMETER AND NOT FROM THE WIRE SECTION. AFTER CRIMPING THE SWS DO NOT HAVE VISIBLE CUTS OR NOTCHES AROUND THE DIAMETER OF COLLAR. ONLY PRESSURE POINTS OR MARKS ALLOWED, WHICH CAN NOT CAUSE TEARING OR SPLITTING OF IN THE LONG TERM.
5. ES GELTEN DIE ALLGEMEINEN RICHTLINIEN ZUR VERARBEITUNG VON KONTAKTEN MIT OFFENEN CRIMPHUELSEN NACH Delphi- VERARBEITUNGS-SPEZIFIKATION: 9 902 00 20
   GENERAL GUIDLINES FOR THE APPLICATION OF CONTACTS WITH OPEN CRIMP BARRELS IS)*VALID TO FCI SPECIFICATION*: 9 902 00 20

ECN-NO. *ECN NUMMER*	DATE DD/ MM / YY *DATUM*	REVISION *INDEX*	POSITION *POSITION*	CHANGE DESCRIPTION *ÄNDERUNG*	DRAWN BY *GEZ.*	CHK. BY *GEPR.*	APPR. BY *GEN.*
16-17304	03.03.16	N		NEW REVISION ADAPT TO NEW UPDATES ON PAGE 6	P.Nuetzel	R.Reger	St.Müller
~~15-13782~~	~~26.11.15~~	~~M~~		Table was reworked; crimp range (>0.22-0.35)mm² with part numbers were added; crimping tool 6 520 04 46 was added; error for symmetry had value 1; insul.-Ø for 2mm² was 2.5-2.7 ; reference A was B and reference B was A; deviation of straigthness was added	P.Nuetzel	R. Reger	St.Mueller
~~14-02721~~	~~25.02.14~~	~~L~~		FIRST EDITION/ NEW PART NUMBER FOR 2 OUT STAMP TOOL ADDED	St. Müller	P.Nuetzel	F.Pacher

PRODUCT SPEC. *PRODUKT SPEZIFIK.*	PACKAGING SPEC. *VERPACKUNGS SPEZIFIK.*	APPLICATION SPEC. *ANWENDUNGS SPEZIFIK.*
---	---	---

COPYRIGHT DELPHI CORPORATION AND/OR ITS AFFILIATES. ALL RIGHTS RESERVED. REVISED
THIS DRAWING IS THE PROPERTY OF DELPHI CORPORATION. THE REPRODUCTION, DISTRIBUTION AND UTILIZATION OF THIS DOCUMENT OR ITS RELATED CAD MATH DATA, AS WELL AS COMMUNICATION OF ANY CONTENT TO OTHERS, WITHOUT EXPRESS AUTHORIZATION IS PROHIBITED.
DIESE ZEICHNUNG IST EIGENTUM DER FIRMA DELPHI UND ENTHÄLT DELPHI VERTRAULICHE INFORMATIONEN. DIE REPRODUKTION, VERTEILUNG UND NUTZUNG DIESES DOKUMENTES ODER DERER ZUGEHÖRIGEN CAD DATEN, ÜBER AUCH ALS KOMBINATION VON BELIEBIGEN INHALT ZU ANDEREN, IST OHNE BERECHTIGUNGSERTEILUNG DURCH DIE DELPHI CORPORATION UNTERSAGT.

TOLERANCES *TOLERANZEN* DIN ISO 2768- mH DIN ISO 1101
COUNTERPART Nr. *GEGENSTÜCK Nr.* ---
DO NOT SCALE DRAWING *ZEICHNUNG NICHT VERMESSEN*
MATERIAL : *MATERIAL* :---
COLOUR : *FARBE* : ---
SURFACE FINISH *OBERFLÄCHE* ---
TOOL NO. *WERKZEUG Nr.*
ECO Loc. Code *STANDORT CODE* GN

	DATE *DATUM*	NAME *NAME*
DRAWN BY *GEZ.*	21.02.14	ST.Muller
CHECKED BY *GEPR.*	21.02.14	P. Nuetzel
APPROVED BY *GEN.*	24.02.14	S. Weiss

TITLE *BENENNUNG*: CRIMP-SPECIFICATION FEMALE CONTACT DCS2-8 FOR APPLICATION WITH SWS

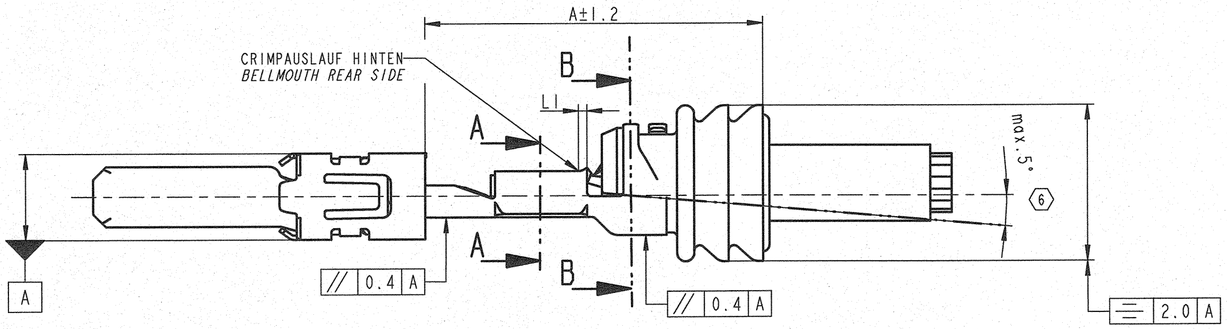
ESR NO. *ESR NUMMER* --
CAT. NO. *KATALOG Nr.* ---

DELPHI
DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE
NUREMBERG GERMANY

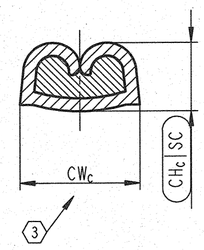
ISO PROJECTION *ISO PROJEKTION*
DIMENSION IN MILLIMETERS *BEMASSUNG IN MILLIMETERN*
CAD SYSTEM pro / eng.
DWG SIZE *FORMAT* A2
DRAWING NUMBER *ZEICHN. NUMMER* 9 084 11 00
SHEET *BLATT* 2 of 7 pcs
FILE NAME *DATEI NAME* 90841100_N
SCALE *M:* 10 : 1

EUR C04 112 F29

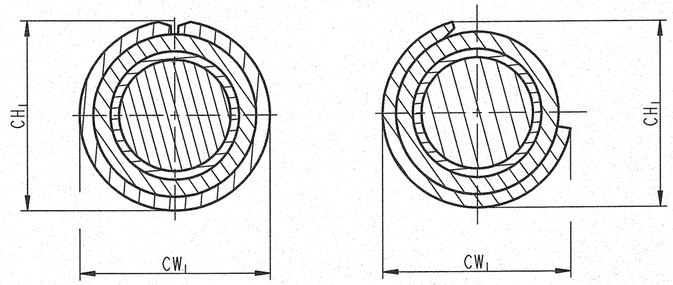
TEILE - NR. *PART - NO.*	ANSCHLUSS-BEREICH *CRIMP SIZE* (mm²)	CRIMP-CODE	DRAHTQUER-SCHNITT *WIRE SIZE* (mm²)	ISOLATION D INSULATION D (mm) (1)	L ±0.4	(M) A ±1.2	DRAHTCRIMP (5) *WIRE CRIMP* CH_C	CW_C ±0.05	*ISOLATIONSCRIMP (4)(5) INSULATION CRIMP* CH_I ±0.1	CW_I ±0.1	CRIMP-TYP *CRIMP TYPE*	LI	EINZELADERDICHTUNG (EAA) *SINGLE WIRE SEAL (SWS)* (4)(5) HERSTELLER-NR. SUPPLIER-NO.	DELPHI /MVL NO.	FARBE *COLOR*	FUER KAMMER-Ø *FOR CAVITY-Ø*	CRIMP-WERKZEUG NR. *CRIMPING TOOL NR.*
6 011 05 11/14 6 011 07 11/14 6 011 07 12	>0.22-0.35	▯	0.35	1.2-1.4	3.8	18,0	1.01±0.03	1.67	3.65	3.83	O- CRIMP	0.25 ±0.15	Kostal 1 08 00 58347 0	TBD	WEISS *WHITE*	6.4±0.1	6 520 04 05 REV. A
6 011 05 31/34 6 011 07 31/34 6 011 07 32	0.5-1.0	▯▯	0.50	1.4-1.6	4.3	18,0	1.17±0.04	2.07	3.75	3.88	O- CRIMP	0.4 ±0.2	Kostal 1 08 00 58347 0	TBD	WEISS *WHITE*		6 520 04 06 REV. A
			0.75	1.7-1.9			1.20±0.04	2.08	3.95	3.90							
			1.00	1.9-2.1			1.25±0.04	2.08	4.15	3.97							
6 011 05 41/44 6 011 07 41/44 6 011 07 42	>1.0-2.5	▯▯▯	1.50	2.2-2.4	4.3	18,0	1.55±0.05	2.65	3.60	4.25	O- CRIMP	0.4 ±0.2	Kostal 1 08 00 58341 0	TBD	*BLAU* *BLUE*		6 520 04 07 REV. B
			2.00	2.3-2.55			1.58±0.03	2.65	3,70	4,25							
			2.50	2.7-3.0			1.75±0.05	2.68	3.85	4.30							
33401022	>2.5-4.0	4 A	3.00	3.0-3.2	4.8	15.8	1.76±0.06	3.38±0.07	TBD	TBD	UMFASSUNGS-CRIMP WRAP CRIMP	0.8±0.2	Tyco 828 985-1	6 099 40 48	GRUEN *GREEN*		6 520 04 37-S
			4.00	3.4-3.7		17.1	1.82±0.06	3.38±0.07	5.3	5.55			Kostal 1 08 00 58313 0	TBD	ORANGE *ORANGE*		
			4.00	3.4-3.7		15.8	1.82±0.06	3.38±0.07	5.0	5.2			Tyco 828 985-1	6 099 40 48	GRUEN *GREEN*		



A-A
10:1

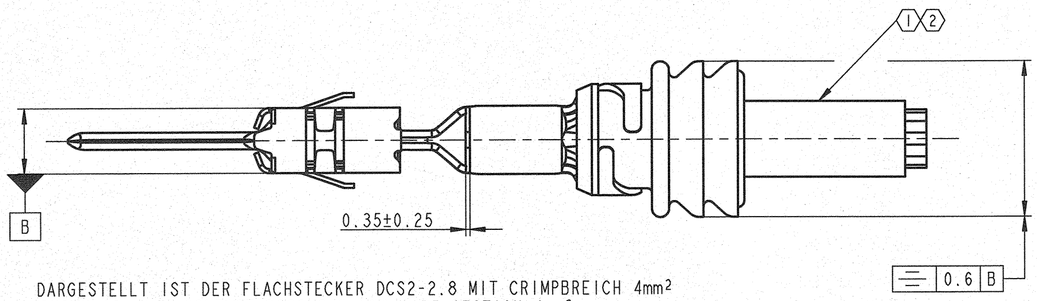


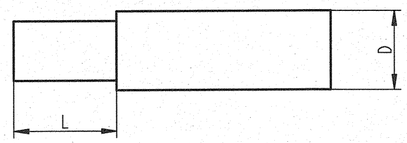
B-B
ISOLATIONSCRIMP
INSULATION CRIMP



TYP: O-CRIMP
TYPE: O-CRIMP

TYP: UMFASSUNGSCRIMP
TYPE: WRAP CRIMP





DARGESTELLT IST DER FLACHSTECKER DCS2-2.8 MIT CRIMPBREICH 4mm²
SHOWN IS MALE CONTACT DCS2-2.8 FOR WIRE SECTION 4mm²

BEMERKUNGEN / *NOTES*

(1) LEITUNGEN NACH / *WIRE TYPES FLR ACC. DIN 72551-6*

(2) AUSREISSKRAFT DES LEITERS AUS DEM DRAHTCRIMP SIEHE: / *EXTRACTION FORCE OF WIRE OUT THE WIRE CRIMP SEE*: DIN EN 60 352-2.

(3) CW_C EFFEKTIVE CRIMPBREITE DRAHTCRIMP / *EFFECTIVE CRIMP WIDTH WIRE CRIMP*

(4) DIE VERWENDUNG DER EINZELDICHTUNGEN IST ABHÄNGIG VOM ISOLATIONSDURCHMESSER DER LEITUNG UND NICHT VOM LEITUNGSQUERSCHNITT. DURCH DEN CRIMPVORGANG DARF DIE EINZELDICHTUNG IM BEREICH DES BUNDDURCHMESSERS NICHT EINGESCHNITTEN ODER VERLETZT WERDEN. DRUCKSTELLEN UND MARKIERUNGEN SIND ZULAESSIG, WENN SIE NICHT ZUR RISSBILDUNG ODER DURCHTRENNEN DER DICHTUNG FUEHREN.
THE APPLICATION OF SINGLE WIRE SEALS IS DEPENDS ON THE INSULATION DIAMETER AND NOT FROM THE WIRE SECTION. AFTER CRIMPING THE SWS DO NOT HAVE VISIBLE CUTS OR NOTCHES AROUND THE DIAMETER OF COLLAR.ONLY PRESSURE POINTS OR MARKS ALLOWED, WHICH CAN NOT CAUSE TEARING OR SPLITTING OF IN THE LONG TERM.

(5) ES GELTEN DIE ALLGEMEINEN RICHTLINIEN ZUR VERARBEITUNG VON KONTAKTEN MIT OFFENEN CRIMP-HUELSEN NACH DELPHI VERARBEITUNGSSPEZIFIKATION: /
GENERAL GUIDLINES FOR THE APPLICATION OF CONTACTS WITH OPEN CRIMP BARRELS IS VALID TO DELPHI SPECIFICATION: 9 902 00 20

(6) DER MAXIMAL ZULAESSIGE WINKEL ZWISCHEN KONTAKT- UND LEITUNGSMITTE DARF IN RICHTUNG DES CRIMPBODENS 5° BETRAGEN. ABWEICHUNGEN NACH OBEN SIND UNZULAESSIG.
THE MAXIMUM ANGLE DEVIATION BETWEEN THE TERMINAL AND THE CABLE CENTRELINE TO THE CRIMP BOTTOM SIDE SHOULD NOT EXCEED 5°.DEVIATIONS TO THE UPPER SIDE ARE NOT ALLOWED.

ECN-NO. *ECN NUMMER*	DATE DD/ MM / YY *DATUM*	REVISION *INDEX*	POSITION *POSITION*	CHANGE DESCRIPTION *ÄNDERUNG*	DRAWN BY *GEZ.*	CHK. BY *GEPR.*	APPR. BY *GEN.*
16-17304	03.03.16	N		NEW REVISION ADAPT TO NEW UPDATES ON PAGE 6	P.Nuetzel	R. Reger	St Müller
15-13782	26.11.15	~~M~~		the line 3mm² incl. all parameters were added; CHC for 4mm² was 1.88±0.08 and CWC was 3.4; CHI for 4mm² with Kostal SWS was 5.25 and CWI was 5.6; new line 4mm² with Tyco SWS was added; LI for 4mm² was 0.7±0.2; CHI and CWI for 4mm² were 5.25 and 5.6; error of symmetric to reference B was 1; Column A±1.2 was added	P.Nuetzel	R. Reger	St.Mueller
14-02721	21.01.14	1	-	FIRST EDITION-NEW CRIMP VERSION (>2.5-4)mm² ADDED INCLUDING NEW SWS	St.Müller	P.Nuetzel	F. Pacher

PRODUCT SPEC. *PRODUKT SPEZIFIK.* ---
PACKAGING SPEC. *VERPACKUNGS SPEZIFIK.* ---
APPLICATION SPEC. *ANWENDUNGS SPEZIFIK.* ---

COPYRIGHT DELPHI CORPORATION AND/OR ITS AFFILIATES. ALL RIGHTS RESERVED. REVISED
THIS DRAWING IS THE PROPERTY OF DELPHI CORPORATION. THE REPRODUCTION, DISTRIBUTION AND UTILIZATION OF THIS DOCUMENT OR ITS RELATED CAD MATH DATA, AS WELL AS COMMUNICATION OF ANY CONTENT TO OTHERS, WITHOUT EXPRESS AUTHORIZATION IS PROHIBITED.
DIESE ZEICHNUNG IST EIGENTUM DER FIRMA DELPHI UND ENTHÄLT DELPHI VERTRAULICHE INFORMATIONEN. DIE REPRODUKTION, VERTEILUNG UND NUTZUNG DIESES DOKUMENTES ODER DERER ZUGEHÖRIGER CAD DATEN, SOWIE AUCH ALLE KOMMUNIKATION VON BELIEBIGEN INHALT ZU ANDEREN, IST OHNE BERECHTIGUNGSPRÜFUNG DURCH DIE DELPHI CORPORATION UNZULÄSSIG.

TOLERANCES *TOLERANZEN* DIN ISO 2768- mH DIN ISO 1101
MATERIAL : *MATERIAL* : ---
SURFACE FINISH *OBERFLÄCHE* ---
COUNTERPART Nr. *GEGENSTÜCK Nr.* ---
COLOUR : *FARBE* : ---
DO NOT SCALE DRAWING *ZEICHNUNG NICHT VERMESSEN*
TOOL NO. *WERKZEUG Nr.*
ECO Loc. Code *STANDORT CODE* GN

DELPHI
DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE
NUREMBERG GERMANY

CAD SYSTEM: pro / eng.
ISO PROJECTION *ISO PROJEKTION*
DIMENSION IN MILLIMETERS *DEMASSUNG IN MILLIMETERN*
DWG SIZE *FORMAT*: A2

	DATE *DATUM*	NAME *NAME*
DRAWN BY *GEZ.*	21.02.14	ST.Muller
CHECKED BY *GEPR.*	21.02.14	P. Nuetzel
APPROVED BY *GEN.*	24.02.14	S. Weiss

TITLE *BENENNUNG*: CRIMP-SPECIFICATION MALE CONTACT DCS2-2.8 FOR APPLICATION WITH SWS

DRAWING NUMBER *ZEICHN. NUMMER*: 9 084 11 00
SHEET *BLATT*: 3 of 7 pos
FILE NAME *DATEI NAME*: 90841100_N
SCALE *M*: 10:1
ESR NO. *ESR NUMMER* --
CAT. NO. *KATALOG Nr.* ---

EUR C04 112 F29

MVL TEILE - NR. MVL PART - NO.	ANSCHLUSS-BEREICH *CRIMP SIZE* (mm²)	CRIMP-CODE	DRAHTQUER-SCHNITT *WIRE SIZE* (mm²)	ISOLATIONS-BEREICH *INSULATION RANGE* 1	L ±0.4	DRAHTCRIMP *WIRE CRIMP* 5 CH_C	CW_C ±0.05	ISOLATIONSCRIMP *INSULATION CRIMP* 4 5 CH_I ±0.05	CW_I ±0.15	CRIMP-TYP *CRIMP-TYPE*	LI	*CRIMP-WERKZEUG NR. CRIMPING TOOL NR.*
6 001 17 11/14 6 001 28 11/14 6 001 41 14 6 011 03 11/14 6 011 06 11/14	>0.22-0.35	▯	0.35	1.2-1.4	3.8	1.01±0.03	1.67	1.80	1.94	UMFASSUNGS-CRIMP *WRAP-CRIMP*	0.25 ±0.15	6 520 04 01
6 001 17 31/34 6 001 28 31/34 6 001 41 34 6 011 03 31/34 6 011 06 31/34	0.5-1.0	▯▯	0.50	1.4-1.6	4.3	1.17±0.04	2.07	2.1	2.87	UEBERLAPP-CRIMP OVERLAPPING-CRIMP	0.4 ±0.2	6 520 04 02
			0.75	1.7-1.9		1.20±0.04	2.08	2.4				
			1.00	1.9-2.1		1.25±0.04	2.08	2.6				
6 001 17 41/44 6 001 28 41/44 6 001 41 44 6 011 03 41/44 6 011 06 41/44	>1.0-2.5	▯▯▯	1.40	2.2-2.4	4.3	1.40±0.05	2.60	2.9	3.4	UEBERLAPP-CRIMP *OVERLAPPING-CRIMP*	0.4 ±0.2	6 520 04 03
			1.50	2.2-2.4		1.55±0.05	2.65	2.9	3.4			
			2.00	2.30-2.55		1.58±0.03	2.65	3.1	3.45			
			2.50	2.7-3.0		1.75±0.05	2.68	3.4	3.45			
33401022	>2,5-4	4	3.0	3.0-3.2	4,8	1,76±0.06	3,38±0.07	3,5±0.08	4,00	UMFASSUNGS-CRIMP WRAP-CRIMP	0,8±0,2	6 520 04 04
			4.0	3.4-3.7		1.82±0.06	3,38±0.07	3,9±0.08	4,07			

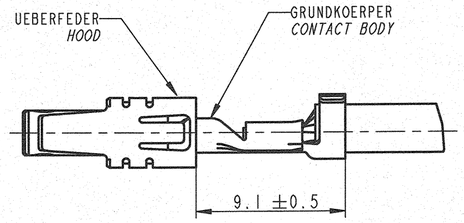


BILD 1: FLACHKONTAKT DCS2-2.8 NORMALE ANWENDUNGEN
PICTURE 1: FEMALE CONTACT DCS2-2.8 USUAL APPLICATION

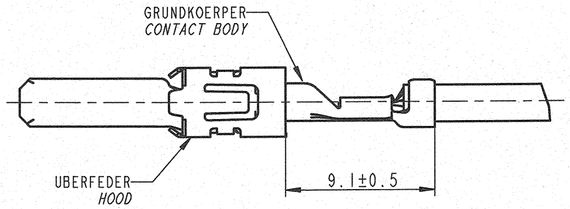
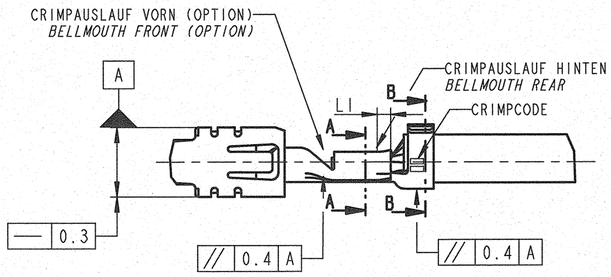
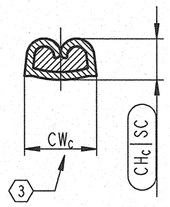


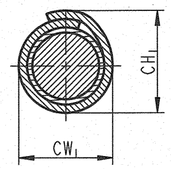
BILD 2: FLACHSTECKER DCS2-2.8 NORMALE ANWENDUNGEN (0.35-2.5)mm²
PICTURE 2: MALE CONTACT DCS2-2.8 USUAL APPLICATION (0.35mm² -2.5)mm²



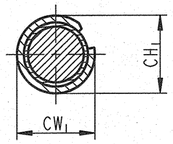
A-A
DRAHTCRIMP
WIRE CRIMP



B-B
ISOLATIONSCRIMP
INSULATIONS CRIMP 4



TYP: UEBERLAPP-CRIMP
TYP: OVERLAPPING-CRIMP



TYP: UMFASSUNGS-CRIMP
TYP: WRAP-CRIMP

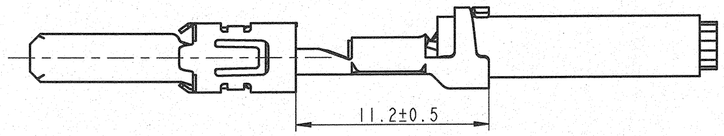
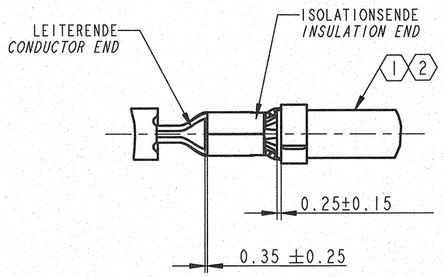
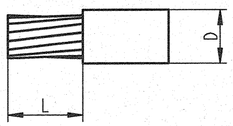


BILD 3: FLACHSTECKER DCS2-2.8 NORMALE ANWENDUNGEN-TEILE-NR. 33401022 (>2.5-4)mm²
PICTURE 3: MALE CONTACT DCS2-2.8 USUAL APPLICATION- PART NO. 33401022 (>2.5-4)mm²



ABISOLIERLAENGE
STRIP LENGHT



16-17304	03.03.16	N		NEW REVISION ADAPT TO NEW UPDATES ON PAGE 6	P. Nuetzel	R. Reger	St. Müller
~~15-13782~~	~~26.11.15~~	~~M~~		part no. 33401022 with 3mm² and 4mm² incl. all parameters were added; dim. 0.25±0.15 added; Picture 3 for male contact 334010222 was added; dim. 0.25±0.15 was added; view wrap crimp was added; deviation of straightness was added	P. Nuetzel	R. Reger	St.Mueller
~~14-02721~~	~~25.02.14~~	L		NEW REVISION ADAPT TO NEW UPDATES ON PAGE 2; 3 AND 5	St.Mueller	P.Nuetzel	F.Pacher
~~13-00829~~	16.07.13	~~K~~		CH_C was for 0.35mm² 1.06±0.03; CH_C was for 1mm² 1.35±0.05; CH_C was for 0.75mm² 1.27±0.05; CH_C was for 0.5mm² 1.2±0.05 CW_I values were as follow : $1.85^{+0.25}$ for 0.35mm²; $2.75^{+0.25}$ for (0.5-1)mm² and $3.3^{+0.25}$ for (>1-2.5)mm²; CH_I values were as follow : 1.75±0.1 for 0.35mm²; 2.15±0.15 for 0.5mm²; 2.35±0.15 for 0.75mm²; 2.45±0.15 for 1mm²; (2.75) for 1.5mm² and (3.4) for 2.5mm²; row applicator spec. was deleted; View wrap crimp was corrected	St. Müller	S. Weiss	J. Muehlmichel

ECN-NO. *ECN NUMMER*	DATE DD/ MM / YY *DATUM*	REVISION *INDEX*	POSITION *POSITION*	CHANGE DESCRIPTION *ÄNDERUNG*	DRAWN BY *GEZ.*	CHK. BY *GEPR.*	APPR. BY *GEN.*

PRODUCT SPEC. *PRODUKT SPEZIFIK.* ---
PACKAGING SPEC. *VERPACKUNGS SPEZIFIK.* ---
APPLICATION SPEC. *ANWENDUNGS SPEZIFIK.* ---

COPYRIGHT DELPHI CORPORATION AND/OR ITS AFFILIATES. ALL RIGHTS RESERVED. REVISED
THIS DRAWING IS THE PROPERTY OF DELPHI CORPORATION. THE REPRODUCTION, DISTRIBUTION AND UTILIZATION OF THIS DOCUMENT OR ITS RELATED CAD MATR DATA, AS WELL AS COMMUNICATION OF ANY CONTENT TO OTHERS, WITHOUT EXPRESS AUTHORIZATION IS PROHIBITED.
DIESE ZEICHNUNG IST EIGENTUM DER FIRMA DELPHI UND ERMÖGLICHT DELPHI VERTRAULICHE INFORMATIONEN. DIE REPRODUKTION, VERTEILUNG UND NUTZUNG DIESES DOKUMENTES ODER DEREN ZUGEHÖRIGEN CAD DATEN, ODER AUCH ALS KOMMUNIKATION VON BELIEBIGEN INHALT ZU ANDEREN, IST OHNE BERECHTIGUNGSPRÜFUNG DURCH DIE DELPHI CORPORATION UNZULÄSSIG.

TOLERANCES *TOLERANZEN* DIN ISO 2768- mH DIN ISO 1101
MATERIAL : *MATERIAL* :---
SURFACE FINISH *OBERFLÄCHE* ---
COUNTERPART Nr. *GEGENSTÜCK Nr.* ---
COLOUR : *FARBE* : ---
DO NOT SCALE DRAWING *ZEICHNUNG NICHT VERMESSEN*
TOOL NO. *WERKZEUG Nr.*
ECO Loc. Code *STANDORT CODE* GN

DELPHI
DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE
NUREMBERG GERMANY

CAD SYSTEM pro / eng.
ISO PROJECTION *ISO PROJEKTION*
DIMENSION IN MILLIMETERS *BEMASSUNG IN MILLIMETERN*
DWG SIZE *FORMAT* A2

	DATE *DATUM*	NAME *NAME*
DRAWN BY *GEZ.*	21.02.14	ST.Muller
CHECKED BY *GEPR.*	21.02.14	P. Nuetzel
APPROVED BY *GEN.*	24.02.14	S. Weiss

TITLE *BENENNUNG*
CRIMP SPECIFICATION MALE AND FEMALE
DCS2-2.8 NORMAL APPLICATION

DRAWING NUMBER *ZEICHN. NUMMER* 9 084 11 00
SHEET *BLATT* 4 of 7 pos
ESR NO. *ESR NUMMER* --
CAT. NO. *KATALOG Nr.* ---
FILE NAME *DATEI NAME* 90841100_N
SCALE *M:* 10 : 1

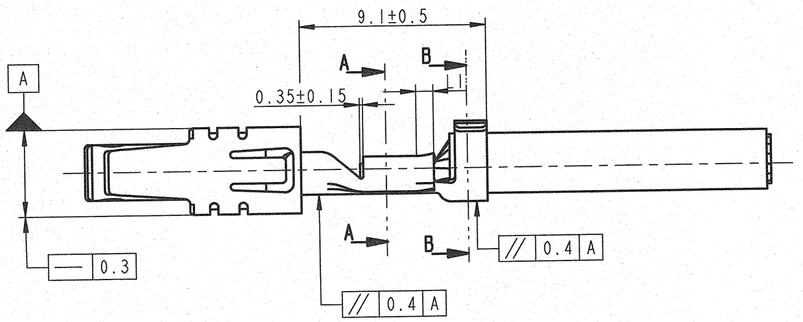
BEMERKUNGEN / *NOTES*

1. LEITUNGEN FLR NACH DIN 72551-6; AUSGENOMMEN DER LEITUNGSQUERSCHNITT 1.4mm² und 2.0mm²
CABLE TYPES TO: FLR DIN 72551-6; EXCEPT WIRE SECTION 1.4mm² AND 2.0mm²
2. AUSREISSKRAFT DES LEITERS AUS DEM DRAHTCRIMP SIEHE: / *EXTRACTION FORCE OF WIRE OUT THE WIRE CRIMP SEE*: DIN EN 60 352-2.
3. CW_C EFFEKTIVE CRIMPBREITE DRAHTCRIMP / *EFFECTIVE CRIMP WIDTH WIRE CRIMP*
4. DER ISOLATIONSCRIMP MUSS DIE ISOLATION UMFASSEN. VEERLETZUNGEN UND EINSCHNITTE DER ISOLATION SIND NICHT ZULAESSIG. MARKIERUNGEN UND DRUCKSTELLEN SIND ERLAUBT.
THE INSULATION-CRIMP MUST COMPRISE THE INSULATION. THE INSULATION DO NOT HAVE VISIBLE CUTS OR NOTCHES AROUND THE DIAMETER. ONLY PRESSURE POINTS OR MARKS ARE ALLOWED.
5. ES GELTEN DIE ALLGEMEINEN RICHTLINIEN ZUR VERARBEITUNG VON KONTAKTEN MIT OFFENEN CRIMPHUELSEN NACH DELPHI VERARBEITUNGS-SPEZIFIKATION: 9 902 02 00
GENERAL GUIDLINES FOR THE APPLICATION OF CONTACTS WITH OPEN CRIMP BARRELS IS VALID TO DELPHI SPECIFICATION: 9 902 02 00

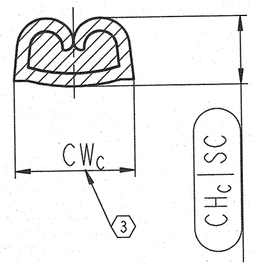
Pruefmasz
Check dimension
100% Pruefung (100% Pruefung)
Check dimension (100% Check)
SC Sicherheitsrelevantes Masz
Significant characteristic

EUR C04 112 F29

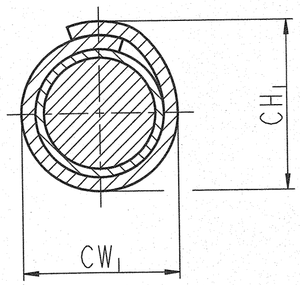
TEILE - NR. PART - NO.	ANSCHLUSS-BEREICH *CRIMP SIZE* (mm²)	CRIMP-CODE	DRAHTQUER-SCHNITT *WIRE SIZE* (mm²)	ISOLATIONS-BEREICH *INSULATION RANGE* (1)	L±0.4	DRAHTCRIMP *WIRE CRIMP* (5) CH_C	DRAHTCRIMP *WIRE CRIMP* (5) CW_C ±0.05	ISOLATIONSCRIMP *INSULATION CRIMP* (4)(5) CH_I ±0.05	ISOLATIONSCRIMP *INSULATION CRIMP* (4)(5) CW_I ±0.15	CRIMP-TYP *CRIMP-TYPE*	LI	*CRIMP-WERKZEUG NR. CRIMPING TOOL NR.*
33400852; 33523157; F088410	0.5-1.0	2A	0.50	1.4-1.6	4.3	1.17±0.04	2.07	2.1	2.87	UEBERLAPP-CRIMP *OVERLAPPING-CRIMP*	0.4 ±0.2	6 520 04 37
			0.75	1.7-1.9		1.20±0.04	2.08	2.4	2.87			
			1.00	1.9-2.1		1.25±0.04	2.08	2.6	2.87			
33400853; 33523158; F188410	>1.0-2.5	3A	1.40	2.2-2.4	4.3	1.40±0.05	2.60	2.9	3.4	UEBERLAPP-CRIMP *OVERLAPPING-CRIMP*	0.4 ±0.2	6 520 04 38
			1.50	2.2-2.4		1.55±0.05	2.65	2.9	3.4			
			2.00	2.3-2.55		1.58±0.03	2.65	3.1	3.45			
			2.50	2.7-3.0		1.75±0.05	2.68	3.4	3.45			

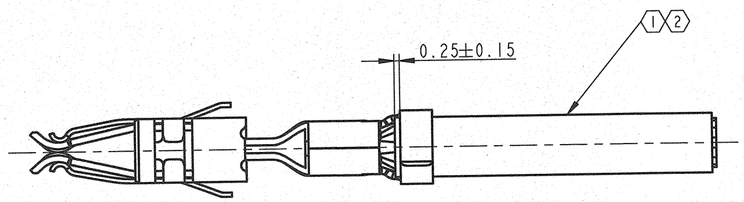


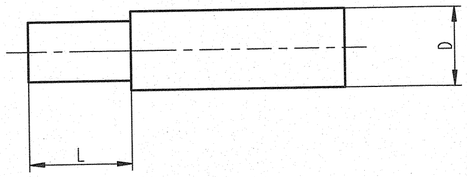
A-A



B-B







BEMERKUNGEN / *NOTES*

(1) LEITUNGEN FLR NACH DIN 72551-6; AUSGENOMMEN DER LEITUNGSQUERSCHNITT 1.4mm² und 2.0mm²
CABLE TYPES TO: FLR DIN 72551-6; EXCEPT WIRE SECTION 1.4mm² AND 2.0mm²

(2) AUSREISSKRAFT DES LEITERS AUS DEM DRAHTCRIMP SIEHE: / *EXTRACTION FORCE OF WIRE OUT THE WIRE CRIMP SEE*: DIN EN 60 352-2.

(3) CW_C EFFEKTIVE CRIMPBREITE DRAHTCRIMP / *EFFECTIVE CRIMP WIDTH WIRE CRIMP*

(4) DER ISOLATIONSCRIMP MUSS DIE ISOLATION UMFASSEN. VERLETZUNGEN UND EINSCHNITTE DER ISOLATION SIND NICHT ZULAESSIG. MARKIERUNGEN UND DRUCKSTELLEN SIND ERLAUBT.
THE INSULATION-CRIMP MUST COMPRISE THE INSULATION. THE INSULATION DO NOT HAVE VISIBLE CUTS OR NOTCHES AROUND THE DIAMETER. ONLY PRESSURE POINTS OR MARKS ARE ALLOWED.

(5) ES GELTEN DIE ALLGEMEINEN RICHTLINIEN ZUR VERARBEITUNG VON KONTAKTEN MIT OFFENEN CRIMPHUELSEN NACH DELPHI VERARBEITUNGS-SPEZIFIKATION: 9 902 02 00
GENERAL GUIDLINES FOR THE APPLICATION OF CONTACTS WITH OPEN CRIMP BARRELS IS VALID TO DELPHI SPECIFICATION): 9 902 02 00

ECN-NO. *ECN NUMMER*	DATE DD/ MM / YY *DATUM*	REVISION *INDEX*	POSITION *POSITION*	CHANGE DESCRIPTION *ÄNDERUNG*	DRAWN BY *GEZ.*	CHK. BY *GEPR.*	APPR. BY *GEN.*
16-17304	03.03.16	N		NEW REVISION ADAPT TO NEW UPDATES ON PAGE 6	P.Nuetzel	R.Reger	St.Müller
~~15-13782~~	~~26.11.15~~	~~M~~		part no. 33523157 and 33523158 were added; crimp tool for (0.5-1)mm² was 6 520 04 47 and for (>1-2.5)mm² 6 520 04 48; deviation of straightness was added	P.Nuetzel	R. Reger	St.Mueller
~~14-02721~~	~~25.02.14~~	~~L~~	-	FIRST EDITION-NEW PART NUMBERS FOR 2-OUT DIE ADDED	St. Müller	P. Nuetzel	F.Pacher

PRODUCT SPEC. *PRODUKT SPEZIFIK.*	PACKAGING SPEC. *VERPACKUNGS SPEZIFIK.*	APPLICATION SPEC. *ANWENDUNGS SPEZIFIK.*
---	---	---

COPYRIGHT DELPHI CORPORATION AND/OR ITS AFFILIATES. ALL RIGHTS RESERVED. REVISED
THIS DRAWING IS THE PROPERTY OF DELPHI CORPORATION. THE REPRODUCTION, DISTRIBUTION AND UTILIZATION OF THIS DOCUMENT OR ITS RELATED CAD MATH DATA, AS WELL AS COMMUNICATION OF ANY CONTENT TO OTHERS, WITHOUT EXPRESS AUTHORIZATION IS PROHIBITED.
DIESE ZEICHNUNG IST EIGENTUM DER FIRMA DELPHI UND ENTHÄLT DELPHI VERTRAULICHE INFORMATIONEN. DIE REPRODUKTION, VERTEILUNG UND NUTZUNG DIESES DOKUMENTES ODER DEREN ZUGEHÖRIGEN CAD DATEN, ODER AUCH ALS KOMBINATION VON BELIEBIGEN INHALT ZU ANDEREN, IST OHNE BERECHTIGUNGSPRÜFUNG DURCH DIE DELPHI CORPORATION UNZULÄSSIG.

TOLERANCES *TOLERANZEN*	DIN ISO 2768- mH DIN ISO 1101	MATERIAL : *MATERIAL* : ---	SURFACE FINISH *OBERFLÄCHE* ---
COUNTERPART Nr. *GEGENSTÜCK Nr.*	---	COLOUR : *FARBE* : ---	
DO NOT SCALE DRAWING *ZEICHNUNG NICHT VERMESSEN*		TOOL NO. *WERKZEUG Nr.*	ECO Loc. Code *STANDORT CODE* GN

	DATE *DATUM*	NAME *NAME*
DRAWN BY *GEZ.*	21.02.14	ST.Muller
CHECKED BY *GEPR.*	21.02.14	P. Nuetzel
APPROVED BY *GEN.*	24.02.14	S. Weiss

TITLE *BENENNUNG*: CRIMP SPECIFICATION FEMALE CONTACT DCS2-2.8 FOR NORMAL APPLICATION

ESR NO. *ESR NUMMER* --- CAT. NO. *KATALOG Nr.* ---

DELPHI
DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE NUREMBERG GERMANY

ISO PROJECTION *ISO PROJEKTION* — DIMENSION IN MILLIMETERS *BEMASSUNG IN MILLIMETERN* — CAD SYSTEM pro / eng. — DWG SIZE *FORMAT* A2

DRAWING NUMBER *ZEICHN. NUMMER*: 9 084 11 00

SHEET *BLATT* 5 of 7 pcs

FILE NAME *DATEI NAME*: 90841100_N

SCALE *M*: 10:1

EUR C04 112 F29

TEILE - NR. PART - NO.	ANSCHLUSS-BEREICH *CRIMP SIZE* (mm²)	CRIMP-CODE	DRAHTQUER-SCHNITT *WIRE SIZE* (1) (mm²)	ISOLATIONSBEREICH INSULATION RANGE D1 + D2	L ±0.4	DRAHTCRIMP *WIRE CRIMP* (5) CH_C	CW_C ±0.05	ISOLATIONSCRIMP *INSULATION CRIMP* (4)(6)(7) CH_I ±0.1	CW_I ±0.10	CRIMP-TYP *CRIMP-TYPE*	LI	*CRIMP-WERKZEUG NR. CRIMPING TOOL NR.*
6 001 17 31/34 6 001 28 31/34 6 001 41 34 6 011 03 31/34 6 011 06 31/34 F088410 33523157; 33400852 (N)	0.5-1.0	▯▯	0.35+0.35	$1.4_{-0.2}$ + $1.4_{-0.2}$	4.3	1.19±0.04	2.07	2.65	2.9	UEBERLAPP-CRIMP *OVERLAPPING-CRIMP*	$0.5^{+0.25}$	6 520 04 02
			0.35+0.5	$1.4_{-0.2}$ + $1.6_{-0.2}$		1.22±0.04	2.08	(2.9)	2.9			
			0.5+0.5	$1.6_{-0.2}$+ $1.6_{-0.2}$		1.25±0.04	2.08	2.95	2.9			
			0.35 + 0.75	$1.4_{-0.2}$+ $1.9_{-0.2}$		1.33±0.04	2.05	3.15	2.95			
6 001 17 41/44 6 001 28 41/44 6 001 41 44 6 011 03 41/44 6 011 06 41/44 F188410 33523158;33400853 (N)	>1.0-2.5	▯▯▯	0.5+ 0.75	$1.6_{-0.2}$+ $1.9_{-0.2}$	4.3	1.30±0.05	2.65	3.45	3.4		$0.5^{+0.25}$	6 520 04 03
			0.35 + 1.0	$1.4_{-0.2}$+ $2.1_{-0.2}$		1.35±0.05	2.65	(3.0)	3.4			
			0.75+ 0.75	$1.7_{-0.2}$+ $1.7_{-0.2}$		1.45±0.05	2.65	3.55	3.45			
			0.5+ 1.0	$1.6_{-0.2}$+ $2.1_{-0.2}$			2.65	3.55	3.45			
			(N) 0.5+0.75	$1.6_{-0.2}$+ $1.9_{-0.2}$		1.30±0.05	2,65	3.45	3.45			
			0.6+ 1.0	TBD		1.50±0.05	2.65	(3.2)	(3.45)			
			0.75+ 1.0	$1.9_{-0.2}$+ $2.1_{-0.2}$		1.56±0.05	2.66	(3.4)				
			1.0+ 1.0	$2.1_{-0.2}$+ $2.1_{-0.2}$		1.58±0.03	2.65	(3.65)				
			1.0+ 1.5	$2.1_{-0.2}$+ $2.4_{-0.2}$		1.75±0.05	2.68	(3.95)				
33401022	>2.5-4.0		2.0 + 2.0	2.35-2.55	4.8	1.82±0.06	3.38±0.07	4.45	4.1	UMFASSUNGS-CRIMP *WRAP CRIMP*	0.8±0.2	6 520 04 04

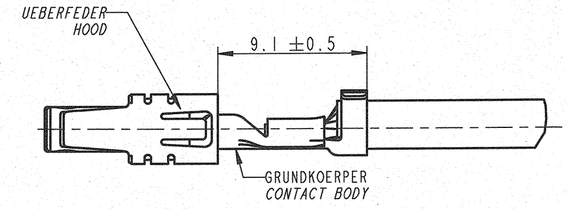


BILD 1: FLACHKONTAKT DCS2-2.8 DOPPELANSCHLAG
PICTURE 1: FEMALE CONTACT DCS2-2.8 DOUBLE CRIMP

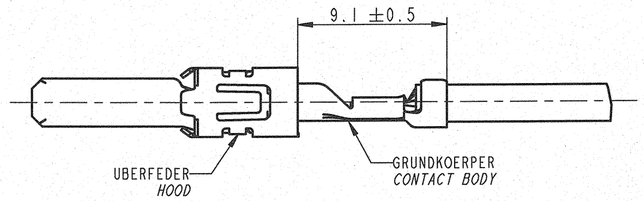


BILD 2: FLACHSTECKER DCS2-2.8 (0.35-2.5)mm² DOPPELANSCHLAG
PICTURE 2: MALE CONTACT DCS2-2.8 (0.35-2.5)mm² DOUBLE CRIMP

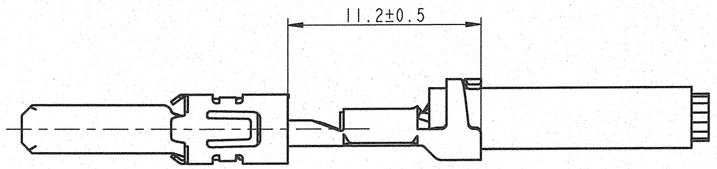
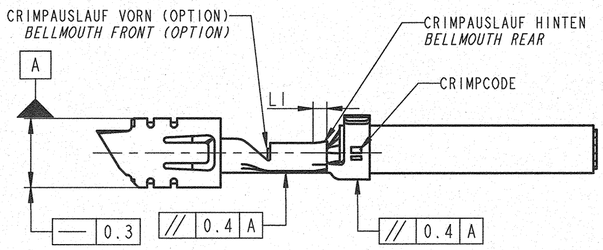
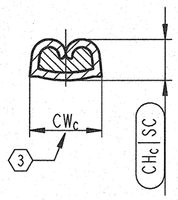


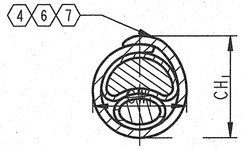
BILD 3: FLACHSTECKER DCS2-2.8-TEILE-NR. 33401022 DOPPELANSCHLAG (>2.5-4)mm²
PICTURE 3: MALE CONTACT DCS2-2.8 PART NO. 33401022 DOUBLE CRIMP (>2.5-4)mm²



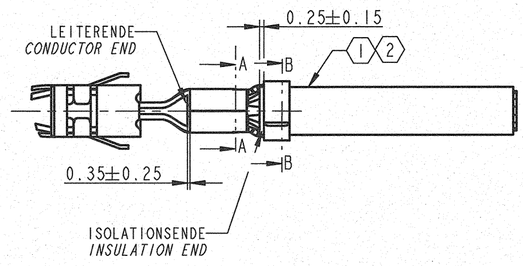
A-A
DRAHTCRIMP
WIRE CRIMP
90°TURNED

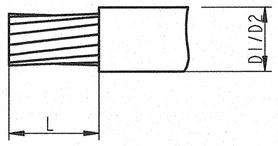


B-B
ISOLATIONSCRIMP
INSULATIONS CRIMP
90° TURNED



TYP: UEBERLAPP-CRIMP
TYP: OVERLAPPING-CRIMP





ABISOLIERLAENGE
STRIP LENGHT

BEMERKUNGEN / *NOTES*

(1) LEITUNGEN NACH / *CABLE TYPES TO*: FLRY DIN 72551-6

(2) AUSREISSKRAFT DES LEITERS AUS DEM DRAHTCRIMP SIEHE: / *EXTRACTION FORCE OF WIRE OUT THE WIRE CRIMP SEE*: DIN EN 60 352-2

(3) CW_C EFFEKTIVE CRIMPBREITE DRAHTCRIMP / *EFFECTIVE CRIMP WIDTH WIRE CRIMP*

(4) DER ISOLATIONSCRIMP MUSS DIE ISOLATION UMFASSEN. VERLETZUNGEN UND EINSCHNITTE DER ISOLATION SIND NICHT ZULAESSIG. MARKIERUNGEN UND DRUCKSTELLEN SIND ERLAUBT.
THE ISULATION-CRIMP MUST COMPRISE THE INSULATION. THE INSULATION DO NOT HAVE VISIBLE CUTS OR NOTCHES AROUND THE DIAMETER. ONLY PRESSURE POINTS OR MARKS ARE ALLOWED.

(5) ES GELTEN DIE ALLGEMEINEN RICHTLINIEN ZUR VERARBEITUNG VON KONTAKTEN MIT OFFENEN CRIMP-HUELSEN NACH DELPHI VERARBEITUNGSSPEZIFIKATION: 9 902 02 00
GENERAL GUIDLINES FOR THE APPLICATION OF CONTACTS WITH OPEN CRIMP BARRELS IS VALID TO DELPHI SPECIFICATION): 9 902 02 00

(6) BEI DOPPELCRIMPS MUSS DER KLEINE LEITUNGSQUERSCHNITT UNTEN LIEGEN.
BY DOUBLE CRIMPS MUST THE SMALLER CONDUCTOR RANGE LYING DOWN.

(7) DIE GEOMETRISCHEN ABMASSE DER ISOLATIONSCRIMPS BEI DOPPELANSCHLAEGEN SIND AUF EINBAUFAEHIGKEIT IN DIE KONTAKTKAMMERN ZU PRUEFEN.
THE GEOMETRICAL DIMENSIONS OF THE INSULATION CRIMPS MUST TO CHECK CONCERNING THE FITTING IN THE CONTACT CAVITIES.

Pruefmasz
Check dimension

100% Pruefmasz (100% Pruefung)
Check dimension (100% Check)

SC Sicherheitsrelevantes Masz
Significant characteristic

ECN-NO. *ECN NUMMER*	DATE DD/ MM / YY *DATUM*	REVISION *INDEX*	POSITION *POSITION*	CHANGE DESCRIPTION *ÄNDERUNG*	DRAWN BY *GEZ.*	CHK. BY *GEPR.*	APPR. BY *GEN.*
16-17304	03.03.16	N		following part numbers on the table were added on the line with wire range (0.5-1)mm : F088410, 33523157 and 33400852 and on the line for the wire range (>1-2.5)mm² were added following part numbers: F188410, 33523158, 33400853; the combination (0.5+0.75)mm² including all crimp parameters were added	P.Nuetzel	R. Reger	St.Müller
~~15-13782~~	~~26.11.15~~	~~M~~		Column with part no. 33401022 added; column (0.35+0.75)mm² added; CHC for (0.5+0.75)mm² was 1.35±0.05 and CHI was (3.4); CHC for (0.75+0.75) and (0.5+1)mm² was 1.55±0.05; CWI for crimp range (0.5-1)mm² was 2.8; picture 3 was added; column insul. range was reworked; deviation of straightness was added	P.Nuetzel	R.Reger	St. Mueller
~~14-02721~~	25.02.14	~~L~~		NEW REVISION ADAPT TO NEW UPDATES ON PAGE 2; 3 AND 5;	St. Mueller	P. Nuetzel	F. Pacher
~~13-00829~~	16.07.13	~~K~~		CH_C values were as follow: 1.25±0.05 for 0.35+0.35 mm²; 1.27±0.05 for 0.5+0.35 mm²; 1.35±0.05 for 0.5+0.5 mm²; 1.35±0.05 for 0.75+0.5 mm²; 1.4±0.05 for 1+0.35 mm²; 1.5±0.05 for 0.75+0.75 mm² and1+0.5 mm²; 1.53±0.05 for 1+0.6 mm²; 1.55±0.05 for 1+0.75 mm²; 1.63±0.05 for 1+1 mm²	ST. Müller	S. Weiss	J.Muehlm.

COPYRIGHT DELPHI CORPORATION AND/OR ITS AFFILIATES. ALL RIGHTS RESERVED. REVISED
THIS DRAWING IS THE PROPERTY OF DELPHI CORPORATION. THE REPRODUCTION, DISTRIBUTION AND UTILIZATION OF THIS DOCUMENT OR ITS RELATED CAD MATH DATA, AS WELL AS COMMUNICATION OF ANY CONTENT TO OTHERS, WITHOUT EXPRESS AUTHORIZATION IS PROHIBITED.
DIESE ZEICHNUNG IST EIGENTUM DER FIRMA DELPHI UND ENTHÄLT DELPHI VERTRAULICHE INFORMATIONEN. DIE REPRODUKTION, VERTEILUNG UND NUTZUNG DIESES DOKUMENTES ODER DEREN ZUGEHÖRIGEN CAD DATEN, ODER AUCH ALS KOMMUNIKATION VON BELIEBIGEN INHALT ZU ANDEREN, IST OHNE BERECHTIGUNGSPRÜFUNG DURCH DIE DELPHI CORPORATION UNZULÄSSIG.

PRODUCT SPEC. *PRODUKT SPEZIFIK.* ---	PACKAGING SPEC. *VERPACKUNGS SPEZIFIK.* ---	APPLICATION SPEC. *ANWENDUNGS SPEZIFIK.* ---	
TOLERANCES DIN ISO 2768- mH *TOLERANZEN* DIN ISO 1101	MATERIAL : *MATERIAL* :---	SURFACE FINISH *OBERFLÄCHE* ---	DELPHI — DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE NUREMBERG GERMANY
COUNTERPART Nr. *GEGENSTÜCK Nr.* ---	COLOUR : *FARBE* ---		CAD SYSTEM pro / eng.
DO NOT SCALE DRAWING *ZEICHNUNG NICHT VERMESSEN*	TOOL NO. *WERKZEUG Nr.*	ECO Loc. Code *STANDORT CODE* GN	ISO PROJECTION *ISO PROJEKTION* — DIMENSION IN MILLIMETERS *DEMASSUNG IN MILLIMETERN* — DWG SIZE *FORMAT* A2
DRAWN BY *GEZ.* 21.02.14 ST.Muller	TITLE *BENENNUNG* CRIMP SPECIFICATION MALE AND FEMALE DCS2-2.8 FOR DOUBLE CRIMPS		DRAWING NUMBER *ZEICHN. NUMMER* 9 084 11 00 — SHEET *BLATT* 6 of 7
CHECKED BY *GEPR.* 21.02.14 P. Nuetzel			
APPROVED BY *GEN.* 24.02.14 S. Weiss	ESR NO. *ESR NUMMER* --	CAT. NO. *KATALOG Nr.* ---	FILE NAME *DATEI NAME* 90841100_N — SCALE *M:* 10:1

EUR C04 112 F29

TEILE - NR. *PART - NO.*	ANSCHLUSS-BEREICH *CRIMP SIZE* (mm²)	CRIMP-CODE	DRAHTQUER-SCHNITT *WIRE SIZE* (mm²) 1	ISOLATIONS-BEREICH *INSULATION RANGE*	L±0.4	DRAHTCRIMP *WIRE CRIMP* 5 CH_C	CW_C±0.05	ISOLATIONSCRIMP *INSULATION CRIMP* 4 5 CH_I ±0.05	CW_I ±0.1	CRIMP-TYP *CRIMP-TYPE*	LI	EINZELADERDICHTUNG (EAA) 4 5 *SINGLE WIRE SEAL (SWS)* MVL-NR. *MVL-NO.*	FARBE *COLOR*	FUER KAMMER *FOR CAVITY*	CRIMP-WERKZEUG NR. *CRIMPING TOOL NR.*	APPLIKATOR SPEZIFIKATION *APPLICATOR SPECIFICATION*
6 001 21 11/14 6 001 29 11/14 6 001 40 11/12 6 001 42 14 6 011 05 11/14 6 011 07 11/14 6 011 07 12 F220300	>(0.22-0.35)	□	0.35	1.2-1.4	3.8	0.95±0.03 1) 1.01±0.03 2)	1.67	3.60	3.8	UMFASSUNGS-CRIMP *WRAP-CRIMP*	0.25±0.15	6 099 40 15	BLAU *BLUE*	PCC0556102 PCC0556114	6 520 04 05	9 909 06 71
6 001 21 31/34 6 001 29 31/34 6 001 40 31/32 6 001 42 34 6 011 05 31/34 6 011 07 31/34 6 011 07 32 F028600	(0.5-1.0)	□□	0.50	1.4-1.6	4.3	1.17±0.04	2.07	(2.8)	3.87	OVERLAPPING-CRIMP	0.4 ±0.2	211 M 0009	ROT *RED*		6 520 04 08	9 909 07 83
			AWG 20			1.20±0.04	2.08									
			0.75	1.7-1.9		1.20±0.04	2.08	(3.0)	3.87							
			AWG 18			1.28±0.04	2.08									
			1.00	1.9-2.1		1.25±0.04	2.08	(3.2)	3.92							
6 001 21 41/44 6 001 29 41/44 6 001 40 41/42 6 001 42 44 6 011 05 41/44 6 011 07 41/44 6 011 07 42 F128600 F420300	(>1.0-2.5)	□□□	1.50	2.2-2.4	4.3	1.45±0.05 1) 1.55±0.05 2)	2.65	(4.2)	4.25	O-CRIMP		240 M 040	BRAUN *BROWN*		6 520 04 07	9 909 06 74
			2.00	2.3-2.55		1.58±0.03	2.66	(3.95)	4.30							
			2.50	2.65-3.0		1.75±0.05	2.68	3.95	4.30			6 099 40 34	GELB *YELLOW*			
								(4.2)	$4.2^{+0.25}$			211 M 0 010	BLAU *BLUE*			

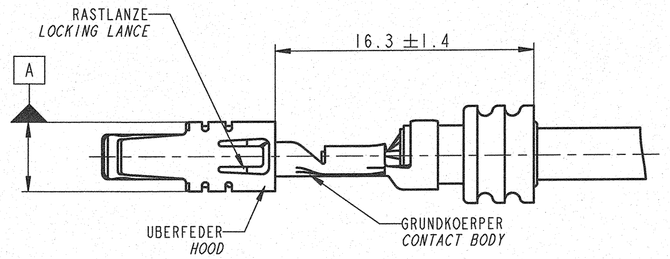


BILD 1: FLACHKONTAKT DCS2-2.8 MIT EAA
PICTURE 1: FEMALE CONTACT DCS2-2.8 WITH SWS

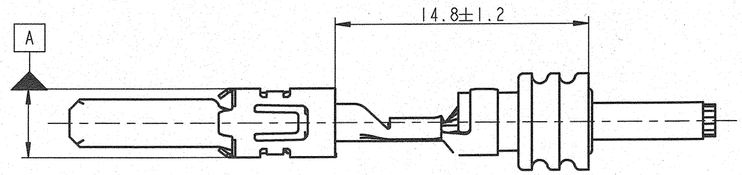
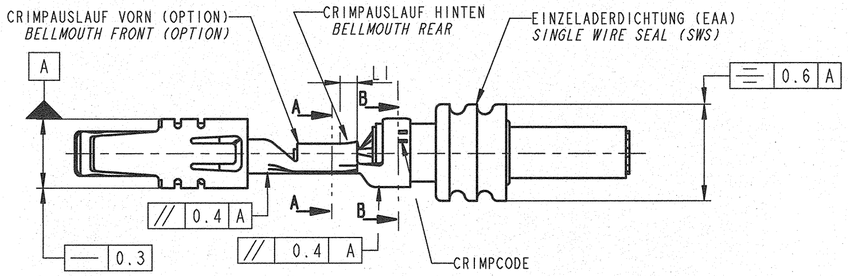
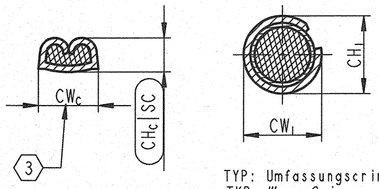


BILD 2: FLACHSTECKER DCS2-2.8 MIT EAA
PICTURE 2: MALE CONTACT DCS2-2.8 WITH SWS

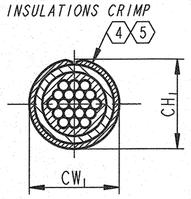


A-A
DRAHTCRIMP
WIRE CRIMP

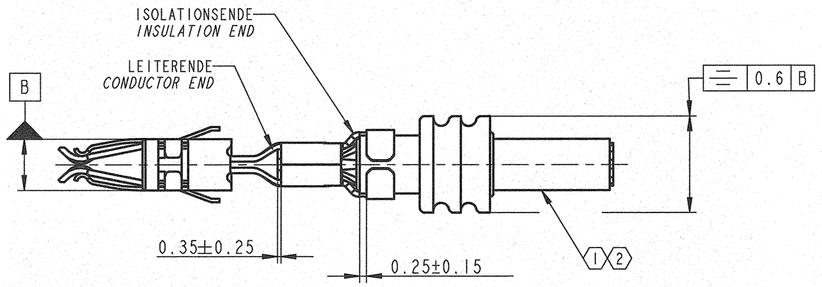


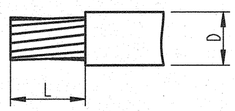
TYP: Umfassungscrimp
TYP: Wrap Crimp

B-B
ISOLATIONSCRIMP
INSULATIONS CRIMP



TYP: O-Crimp
TYP: O-Crimp





ABISOLIERLAENGE
STRIP LENGTH

GILT NUR FUER RENAULT UND PSA
IS VALID FOR RENAULT AND PSA ONLY

BEMERKUNGEN / *NOTES*

1 LEITUNGEN NACH / *WIRE TYPES TO*: PSA ST96095 032 99

2 AUSREISSKRAFT DES LEITERS AUS DEM DRAHTCRIMP SIEHE: / *EXTRACTION FORCE OF WIRE OUT THE WIRE CRIMP SEE*: DIN EN 60 352-2.

3 CW_C EFFEKTIVE CRIMPBREITE DRAHTCRIMP / *EFFECTIVE CRIMP WIDTH WIRE CRIMP*

4 DIE VERWENDUNG DER EINZELDICHTUNGEN IST ABHÄNGIG VOM ISOLATIONSDURCHMESSER DER LEITUNG UND NICHT VOM LEITUNGSQUERSCHNITT. DURCH DEN CRIMPVORGANG DARF DIE EINZELDICHTUNG IM BEREICH DES BUNDDURCHMESSERS NICHT EINGESCHNITTEN ODER VERLETZT WERDEN. DRUCKSTELLEN UND MARKIERUNGEN SIND ZULAESSIG, WENN SIE NICHT ZUR RISSBILDUNG ODER DURCHTRENNEN DER DICHTUNG FUEHREN.
THE APPLICATION OF SINGLE WIRE SEALS IS DEPENDS ON THE INSULATION DIAMETER AND NOT FROM THE WIRE SECTION. AFTER CRIMPING THE SWS DO NOT HAVE VISIBLE CUTS OR NOTCHES AROUND THE DIAMETER OF COLLAR. ONLY PRESSURE POINTS OR MARKS ALLOWED, WHICH CAN NOT CAUSE TEARING OR SPLITTING OF IN THE LONG TERM.

5 ES GELTEN DIE ALLGEMEINEN RICHTLINIEN ZUR VERARBEITUNG VON KONTAKTEN MIT OFFENEN CRIMP-HUELSEN NACH DELPHI-VERARBEITUNGSSPEZIFIKATION: 9 902 00 20
4:GENERAL GUIDLINES FOR THE APPLICATION OF CONTACTS WITH OPEN CRIMP BARRELS IS VALID TO DELPHI SPECIFICATION: 9 902 00 20

1) DIESE DRAHTCRIMPHOEHE GILT NUR FUER PSA
THIS WIRE CRIMP HEIGHT IS VALID FOR PSA ONLY

2) DIESE DRAHTCRIMPHOEHE GILT NUR FUER RENAULT
THIS WIRE CRIMP HEIGHT IS VALID FOR RENAULT ONLY

Pruefmasz
Check dimension
100% Pruefmasz (100% Pruefung)
Check dimension (100% Check)
SC Sicherheitsrelevantes Masz
Significant characteristic

ECN-NO. *ECN NUMMER*	DATE DD/ MM / YY *DATUM*	REVISION *INDEX*	POSITION *POSITION*	CHANGE DESCRIPTION *ÄNDERUNG*	DRAWN BY *GEZ.*	CHK. BY *GEPR.*	APPR. BY *GEN.*
16-17304	03.03.16	N		NEW REVISION ADAPT TO NEW UPDATES ON PAGE 6	P.Nuetzel	R.Reger	St.Müller
~~15-13782~~	~~26.11.15~~	~~M~~		Bemerkungen/ Notes: 1) and 2) added; Column CHC for 0.35mm² and 1.5mm² was splitted; the error of coaxiality was substitute by error of symmetry to the reference A and B and the value was reduced from 1 to 0.6; deviation of straightness was added	P. Nuetzel	R. Reger	St.Mueller
~~14-02721~~	25.02.14	~~L~~		NEW REVISION ADAPT TO NEW UPDATES ON PAGE 2; 3 AND 5	St. Mueller	P. Nuetzel	F.Pacher

PRODUCT SPEC. *PRODUKT SPEZIFIK.* ---
PACKAGING SPEC. *VERPACKUNGS SPEZIFIK.* ---
APPLICATION SPEC. *ANWENDUNGS SPEZIFIK.* ---

COPYRIGHT DELPHI CORPORATION AND/OR ITS AFFILIATES. ALL RIGHTS RESERVED. REVISED
THIS DRAWING IS THE PROPERTY OF DELPHI CORPORATION. THE REPRODUCTION, DISTRIBUTION AND UTILIZATION OF THIS DOCUMENT OR ITS RELATED CAD MATRIX DATA, AS WELL AS COMMUNICATION OF ANY CONTENT TO OTHERS, WITHOUT EXPRESS AUTHORIZATION IS PROHIBITED.
DIESE ZEICHNUNG IST EIGENTUM DER FIRMA DELPHI UND ENTHÄLT DELPHI VERTRAULICHE INFORMATIONEN. DIE REPRODUKTION, VERTEILUNG UND NUTZUNG DIESES DOKUMENTES ODER DERER ZUGEHÖRIGER CAD DATEN, SOWIE AUCH ALS KOMMUNIKATION VON BELIEBIGEN INHALT ZU ANDEREN, IST OHNE BERECHTIGUNGSFREIGABE DURCH DIE DELPHI CORPORATION UNZULÄSSIG.

TOLERANCES *TOLERANZEN* DIN ISO 2768- mH DIN ISO 1101
MATERIAL : *MATERIAL* :---
SURFACE FINISH *OBERFLÄCHE* ---
COUNTERPART Nr. *GEGENSTÜCK Nr.* ---
COLOUR : *FARBE* : ---
DO NOT SCALE DRAWING *ZEICHNUNG NICHT VERMESSEN*
TOOL NO. *WERKZEUG Nr.*
ECO Loc. Code *STANDORT CODE* GN

DELPHI
DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE
NUREMBERG GERMANY

CAD SYSTEM: pro / eng.
ISO PROJECTION *ISO PROJECTION*
DIMENSION IN MILLIMETERS *BEMASSUNG IN MILLIMETERN*
DWG SIZE *FORMAT*: A2

	DATE *DATUM*	NAME *NAME*
DRAWN BY *GEZ.*	21.02.14	ST.Muller
CHECKED BY *GEPR.*	21.02.14	P. Nuetzel
APPROVED BY *GEN.*	24.02.14	S. Weiss

TITLE *BENENNUNG*: CRIMP SPECIFICATION MALE- AND FEMALE DCS2-2.8 FOR APPLICATION WIRH SWS

DRAWING NUMBER *ZEICHN. NUMMER*: 9 084 11 00

SHEET *BLATT* 1 of 1 *von*

ESR NO. *ESR NUMMER* --
CAT. NO. *KATALOG Nr.* ---
FILE NAME *DATEI NAME* 90841100_N
SCALE *M*: 10 : 1

EUR C04 112 F29

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Aptiv:
33500680