



DWG STATUS				ZONE		REVISION HISTORY		AUTH	DR	APVD 1	APVD 2
DATE	STG	REV	N/P/CHG								
09FE16	R	01	--			INITIAL RELEASE ETC.			PN	StM	RR
17JN16	R	01	AA	--		TABLE: ITEMS CHANGED ETC.			PN	StM	RR
25JUL17	R	01	AB	--	AB-BB	TABLE ITEM CWi OF WIRE SIZE 16-25qmm CHANGED			PN	TG	RR
24AUL17	R	01	AC		05	PRE-ASSEMBLED SWS VISIBLE IN VIEW 2			PN	TG	RR
22JA18	R	01	AD			NOTE 4) TYPING ERROR CORRECTED ETC.			PN	TG	RR
19FE18	R	01	AE		A9-H10	INSULATION END VARIABLE L2 ADDED ETC.			PN	TG	RR
14AUL18	R	01	AF			TABLE: NEW VERSION FOR WIRE SIZE 6qmm ETC.			PNue	MPor	RRReg
16MY19	R	01	AG		A9	TABLE ITEM CHc OF WIRE SIZE 4qmm WAS 2.5			PNue	MPor	RRReg
24NO20	R	01	AH		B4-12	TABLE: VERSION FOR WIRE SIZE 10-12qmm ADDED AND UPDATED			PNue	CZoI	MPor

NOTES/BEMERKUNGEN

- 1) WIRES ACC./LEITUNGEN NACH: SEE TABLE/SIEHE TABELLE
- 2) EXTRACTION FORCE OF WIRE OUT THE CRIMP SEE: AUSREISSKRAFT DES LEITERS AUS DEM CRIMP SIEHE: LV215-1 REVISION 02.2009
- 3) CHc/CWc/CHI/CWi = EFF. CRIMP DIMENSIONS/EFFEKTIVE CRIMPMASSZE
- 4) GENERAL GUIDELINES FOR THE APPLICATION OF CONTACTS WITH OPEN CRIMP BARRELS ARE VALID TO SPECIFICATION: 9 902 00 20 EXCEPT CRIMP 6qmm WITH WIRE TYPE FL31Y11Y, WHICH DOES NOT MEET THE CONDITION OF THE SIDE-BY-SIDE CRIMP (PAGE 20: "CRIMP BARRELS HAVE TO SPAN THE INSULATION COMPLETELY"). ES GELTEN DIE ALLGEMEINEN RICHTLINIEN ZUR VERARBEITUNG VON KONTAKTEN MIT OFFENEN CRIMPHELSEN NACH SPEZIFIKATION: 9 902 00 20 MIT AUSNAHME VON CRIMP 6qmm AN KABEL-TYPE FL31Y11Y, DER DIE BEDINGUNG FUER DEN UMFASSUNGSCRIMP NICHT ERFUELLT (SEITE 20: "CRIMP MUSS DABEI DIE ISOLATION KOMPLETT UMFASSEN").
- 5) THE USED CRIMP PRESS SHOULD REALIZE A CRIMP FORCE OF MIN.10 t. DIE VERWENDETE CRIMPRESSE SOLLTE EINE CRIMPKRAFT VON MIN.10 t. AUFBRINGEN
- 6) IT IS RECOMMENDED TO USE DELPHI CRIMP APPLICATORS ES WIRD EMPFOHLEN DELPHI-CRIMP-APPLIKATOREN ZU VERWENDEN

CHc SIGNIFICANT CONTROL DIMENSION SIGNIFIKANTE KENNDATEN

DESIGNATED CHARACTERISTICS				QC1	KPC		
0	LAST NO USED	K OR Q IN SYMBOL INDICATES CHECKPOINT	FIT/FUNCTION	CI	FF		
0	TOTAL ON DRAWING						
KPC	QC1		SAFETY/COMPLIANCE	SC			
NO	NO	TYPE	DESCRIPTION	RATIONALE	ZONE	SH	PTS

RING TERMINAL M6 M8 DELPHI PART NUMBER (DPN)	CRIMP RANGE [mm <sup>2</sup> ]	WIRE SIZE [mm <sup>2</sup> ]	TYPE	OUTER Ø OF THE INSULATION MIN.-MAX.	L	L1	L2	CHc	CWc	BELLMOUTH	CHI	CWi	WIRE AXIS POSITION TOLERANCE THi	PART NUMBER	COLOUR	CRIMPED LENGTH Lc	ØD	PART NUMBER OF USABLE DELPHI APPLICATOR
WIRE					WIRE CRIMP			INSULATION CRIMP			USABLE SINGLE WIRE SEAL							
33277443 33276480 33277444 33276479	35-50	50	LEONI FHL2G 50 P/N FHL2G00019	12.4-12.8	13±1	-	1.5±1	10.6±0.1	15.2±0.2	1.5 <sup>+1.5</sup> <sub>-0.5</sub>	17.0±0.5	17.7±0.5	3	33227403	WHITE	44.8±1.5	8.5±0.1	6 520 68 02 ADAPTER 8.5
			LEONI FLR2G 50ff / T180	11.5-12.2	13±1	-	1.5±1			1.5 <sup>+1.5</sup> <sub>-0.5</sub>	16.0±0.5	17.4±0.5	2					
		35	LEONI FHL2G 35 P/N FHL2G00003	10.5-10.9	13±1	-	1.5±1	9.75±0.1	15.0±0.2	1.5 <sup>+1.5</sup> <sub>-0.5</sub>	14.5±0.5	17.2±0.5	2	33227406	LIGHT GRAY	44.8±1.5	6.5±0.1	6 520 68 02 ADAPTER 6.5
			LEONI FLR2G 35ff / T180	9.8-10.4	13±1	-	1.5±1			1.5 <sup>+1.5</sup> <sub>-0.5</sub>	13.8±0.5	17.1±0.5	2					
33277432 33277434 33277428 33277419	16-25	25	LEONI FHL2G 25 P/N FHL2G00002	9.4-9.8	13±1	-	1.5±1	7.4±0.1	11.9±0.2	1.5 <sup>+1.5</sup> <sub>-0.5</sub>	11.7±0.5	13.7±0.5	2	N/A	-	42.5±1.5	8.5±0.1	6 520 68 01 ADAPTER 8.5
			LEONI FLR2G 25ff / T180	8.1-8.7	13±1	-	1.5±1			1.5 <sup>+1.5</sup> <sub>-0.5</sub>	11.5±0.5	13.7±0.5	2					
		16	LEONI FHL2G 16 P/N FHL2G00001	7.7-7.9	13±1	-	1.5±1	6.8±0.1	11.8±0.2	1.5 <sup>+1.5</sup> <sub>-0.5</sub>	10.3±0.5	13.0±0.5	2	N/A	-	42.5±1.5	6.5±0.1	6 520 68 01 ADAPTER 6.5
			LEONI FLR2G 16ff / T180	6.6-7.2	13±1	-	1.5±1			1.5 <sup>+1.5</sup> <sub>-0.5</sub>	9.5±0.5	13.0±0.5	2					
35375303	10-12	12	LEONI FLR11Y 12 P/N 76120120#	5.8-6.2	13±1	-	1.5±1	6.25±0.05	9.6±0.2	1.5±0.5	9.0±0.5	12.0±0.5	3	-	-	43.5±1.5	8.5±0.1	6 520 68 03 ADAPTER 8.5
		10	LEONI FHL2G 10 P/N FHL2G00015	5.4-6.5	13±1	-	1.5±1	6.1±0.05	9.6±0.2	1.5±0.5	9.0±0.5	12.0±0.5	3	33303271	ORANGE BROWN			
35150462	4-6	6	LEONI FL31Y11Y P/N 7600008VA	5.6-6.0	9.5±1	19±1	1.0±0.5	2.85±0.05	4.3±0.3	0.6±0.3	6.1±0.5	6.3±0.5	4	33303271	ORANGE BROWN			
		6	LEONI FLR2G 6,0 / T180	4.0-4.3	9.5±1	-	1.0±0.5	2.85±0.05	4.3±0.3	0.6±0.3	5.3±0.3	5.1±0.5	3	35072868	WINE RED	37.95±1.5	8.5±0.1	6 520 68 00
		4	LEONI FLR2G 4,0 / T180	3.5-3.8	9.5±1	-	1.0±0.5	2.4±0.05	4.3±0.3	0.6±0.3	4.7±0.3	5.1±0.5	3					

A LINE DRAWN THROUGH A PART NUMBER INDICATES THAT PHYSICAL PARTS ARE NOT AVAILABLE FOR ORDERING.

PART NUMBERS THAT DO NOT HAVE A LINE PRESENT INDICATE THAT PHYSICAL PARTS ARE AVAILABLE FOR ORDERING.

CONTACT APTIV SALES TO ASSURE AVAILABILITY OF PARTS.

DWG TYP CUSTOMER PART DRAWING

WEIGHT (GR) DISTR CODE

VOLUME (CM<sup>3</sup>)

ROUTING

UNLESS OTHERWISE SPECIFIED

GENERAL TOLERANCES ACCORDING TO: DIN ISO 2768-m

GD&T ACCORDING TO: DIN ISO 2768-H

DO NOT SCALE USE MATH DATA

INX

**• APTIV •**

CONNECTION SYSTEMS  
Nuremberg, Germany

COPYRIGHT 2015 APTIV. ALL RIGHTS RESERVED.

THIS DRAWING IS THE PROPERTY OF APTIV AND CONTAINS APTIV CONFIDENTIAL INFORMATION. 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 ENTHAHLT DELPHI VERTRAULICHE INFORMATIONEN. DIE REPRODUKTION, VERTEILUNG UND NUTZUNG DIESER DOKUMENTES ODER DEREN ZUGEHÖRIGEN CAD DATEN, ODER AUCH ALS KOMMUNIKATION VON BELIEBIGEN INHALT ZU ANDEREN, IST OHNE BEZUGSSTÄMMUNG DURCH DIE DELPHI CORPORATION UNZULÄSSIG.

DR	Peter Nuetzel	DATE	10DE15
APVD1	Steffen Mueller		10DE15
APVD2	Rene Reger		10DE15
APVD3			
APVD4			
APVD5			

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER APTIV 10949001 POTENTIELL GEFÄHRLICHE STOFFE UND REZYKLATANTEILE GEMÄSS DELPHI 10949001

MATERIAL

DRAWING NAME  
RING TERMINAL M6 M8 CRIMP SPECIFICATION

DRAWING NUMBER  
CUS80

33244451

SIZE A1 SCALE 2:1 FRAME NO 1 OF 1 SHEET NO 1 OF 1 STG REV N/P R 01 AH

# Mouser Electronics

Authorized Distributor

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

[Aptiv:](#)

[33277434](#)