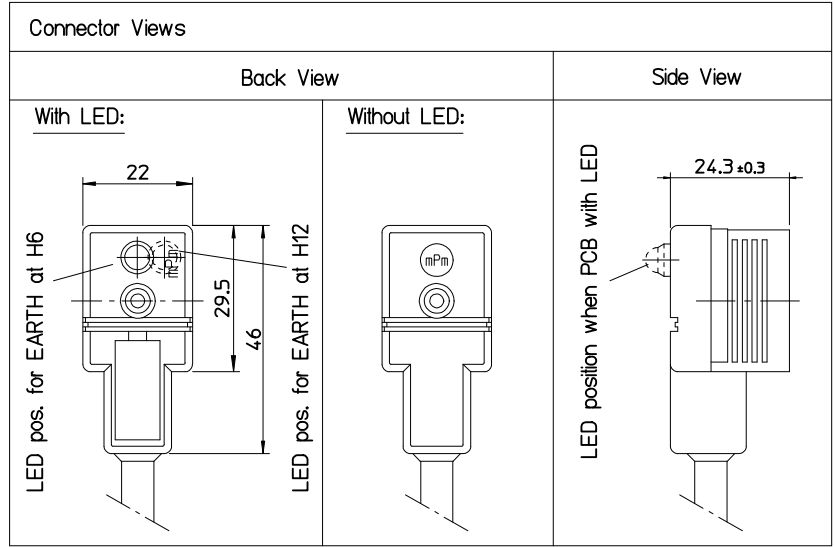
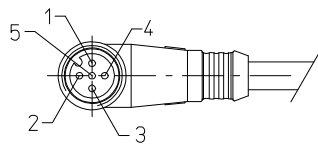
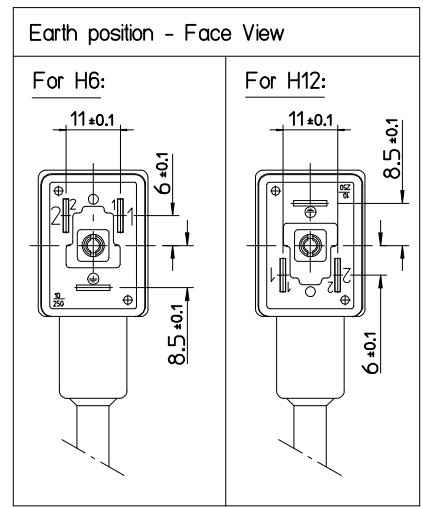
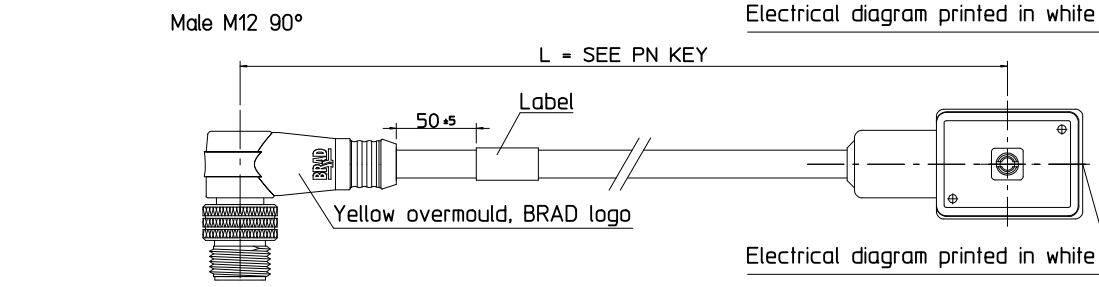
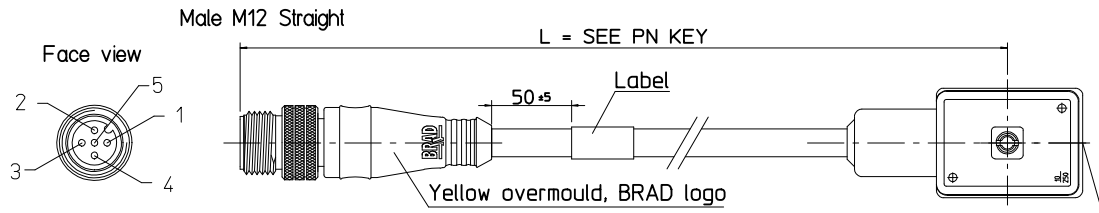
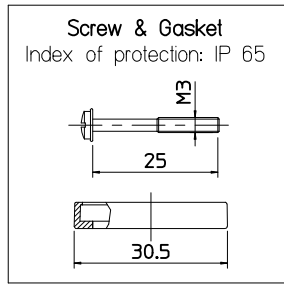
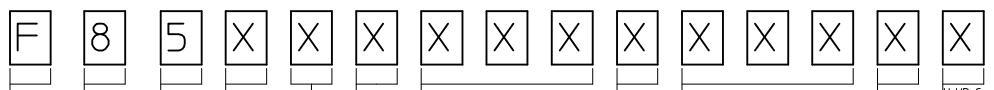


Over	Up to and including	Tolerance
0	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
20000		±L/100



PART No MATRIX

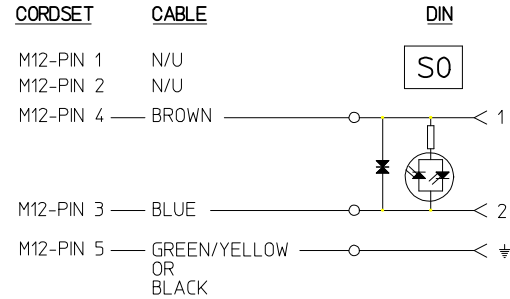


Options:
 F = Form B Industrial Standard (11mm contact spacing)
 8 = MMC Single Keyway
 5-5 Pole
 Wiring details:
 0 = Positive Switching (pin 3&4)
 1 = Negative Switching (pin 1&4)
 XXX = Cable Type (X - Prefix and XX - Suffix)
 M = Metres
 F = Feet
 Length:
 0-20 Meters
 0-5 Meters
 200-20 Meters
 H/D Carrier Overmoulding color:
 Blank-Yellow Standard
 G=Black
 A=Grey
 Coupling Nut Material:
 Blank-Standard
 1=Stainless Steel
 5=Delrin
 7=Teflon coat
 DIN Earth Position - o'clock & M12 connector body:
 0 = EARTH H6, MALE Straight
 1 = EARTH H12, MALE Straight
 2 = EARTH H6, MALE 90°
 3 = EARTH H12, MALE 90°
 Electrical configuration:
 0 = Without LED/without circuit
 A = S0 24V Yellow LED
 B = C4 24V Yellow LED
 C = S0 110V Yellow LED
 D = C4 110V Yellow LED
 E = S0 24V Green LED
 F = C4 24V Green LED
 G = S0 110V Green LED
 H = C4 110V Green LED
 J = S0 24V Red LED
 K = C4 24V Red LED
 L = S0 110V Red LED
 M = C4 110V Red LED
 S = C4 230V Yellow LED

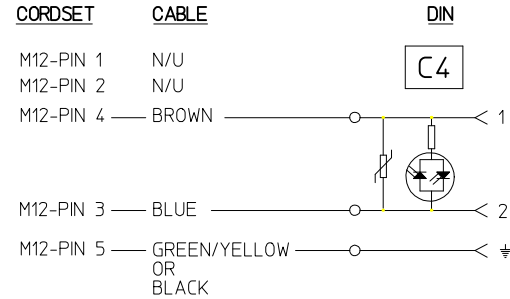
ADD PN's SHEET 3 EC NO: IPG2013-0959 DRWN: JMARSZALEK 2012/12/27 CHKD: MSZWAJKOWSKI 2012/12/27 APPR: MIWASIECZKO 2012/12/27	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE -	DESIGN UNITS METRIC	FIRST ANGLE PROJECTION																	
		<table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>0 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </tbody> </table>			mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± ---	± ---	1 PLACE	± ---	± ---	0 PLACE	± ---	± ---	DRAWN BY: JMARSZALEK DATE: 2012/11/08	TITLE: F85XXXXXXXXXX DIN B + CORDSETS M12		
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		CHECKED BY: MSZWAJKOWSKI DATE: 2012/11/08	molex																						
MATERIAL NO. SEE SCHEET 3		APPROVED BY: MIWASIECZKO DATE: 2012/11/09	DOCUMENT NO. SD-121036-002		SHEET NO. 1 OF 1																				

Electrical diagrams

Electrical diagram with circuit S0 (zener diode) for:



Electrical diagram with circuit C4 (VDR) for:



Cable type

Prefix	Cable Type	Jacket Colour
A	PVC	Black
B	PUR	Yellow
S	SJT0	Yellow
E	PVC	Yellow
P	PUR	Black
H	LSOH - halogen free	Yellow
I	CEI PVC	Light Grey
F	CNOMO	Yellow
M	PUR/PVC	Black

Suffix	CSA - mm	Braided
03	0,34 mm	no
08	0,25 mm	no
12	0,5 mm	no
23	18 AWG	no
26	0,34 mm	yes
58	20 AWG	no

ADD PN's SHEET 3 EC NO: IPG2013-0959 DRWN: JMARSZALEK 2012/11/21 CHKD: MSZWAJKOWSKI 2012/11/21 APPR: MIWASIECZKO 2012/11/21	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	FIRST ANGLE PROJECTION	
	=0 =0	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± ---	MM ONLY	-	METRIC		
	DESCRIPTION	ANGULAR ± --- °	DRAWN BY	DATE	TITLE		
	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	JMARSZALEK	2012/11/09	F85XXXXXXXXXX DIN B + CORDSETS M12		
	A1		CHECKED BY	DATE			
		MSZWAJKOWSKI	2012/11/09	SD-121036-002			
		APPROVED BY	DATE	SHEET NO.			
		MIWASIECZKO	2012/11/09	2 OF 3			
		MATERIAL NO.	SEE SCHEET 3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

List of PN for drawing SD-121036-002 / F85XXXXXXXXXX

Engineering number	SAP Part Number	Ground pos.	Circuit type	LED Color	Cable type	Cable Length [mm]	M12 Head type
F85000P12M006	1210350286	H6	Without electronics	No LED	PUR 0.5mmq	600	straight
F85000P12M010	1210350287	H6	Without electronics	No LED	PUR 0.5mmq	1000	straight
F850B0P12M006	1210360352	H6	C4 24V	YELLOW	PUR 0.5mmq	600	straight
F850B0P12M010	1210360255	H6	C4 24V	YELLOW	PUR 0.5mmq	1000	straight
F850B0P12M015	1210360822	H6	C4 24V	YELLOW	PUR 0.5mmq	1500	straight
F850B0P12M030	1210360257	H6	C4 24V	YELLOW	PUR 0.5mmq	3000	straight
F850B2P12M006	1210360505	H6	C4 24V	YELLOW	PUR 0.5mmq	600	right angle
F850B2P12M010	1210360506	H6	C4 24V	YELLOW	PUR 0.5mmq	1000	right angle
F850B2P12M015	1210360823	H6	C4 24V	YELLOW	PUR 0.5mmq	1500	right angle
F850B2P12M030	1210360824	H6	C4 24V	YELLOW	PUR 0.5mmq	3000	right angle

ADD PN's SHEET 3 EC NO: IPG2013-0959 DRWN: JMARSZALEK 2012/12/21 CHKD: MSZWAJKOWSKI 2012/12/21 APPR: MIWASIECZKO 2012/12/21	DESCRIPTION REV A1	QUALITY SYMBOLS Ra=0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <td></td> <td>mm</td> <td>INCH</td> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>0 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± ---	± ---	1 PLACE	± ---	± ---	0 PLACE	± ---	± ---	DIMENSION STYLE MM ONLY DRAWN BY: JMARSZALEK DATE: 2012/12/21 CHECKED BY: MSZWAJKOWSKI DATE: 2012/12/21 APPROVED BY: MIWASIECZKO DATE: 2012/12/21	SCALE: - DESIGN UNITS: METRIC FIRST ANGLE PROJECTION	TITLE: F85XXXXXXXXXX DIN B + CORDSETS M12
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.: SEE TABLE SIZE: A3	DOCUMENT NO.: SD-121036-002	SHEET NO.: 3 OF 3																			
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