

9 8 7 6 5 4 3 2 1

E

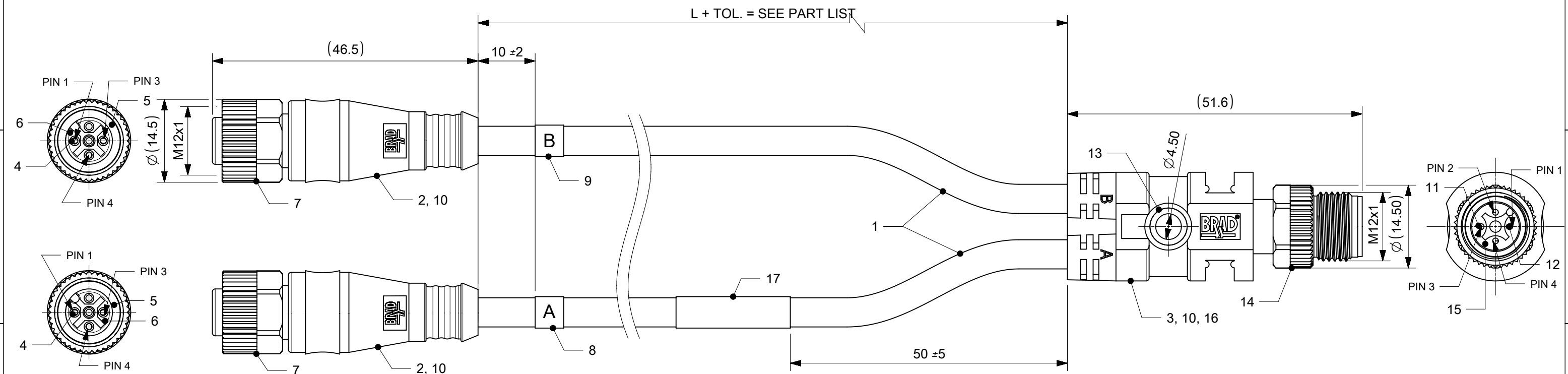
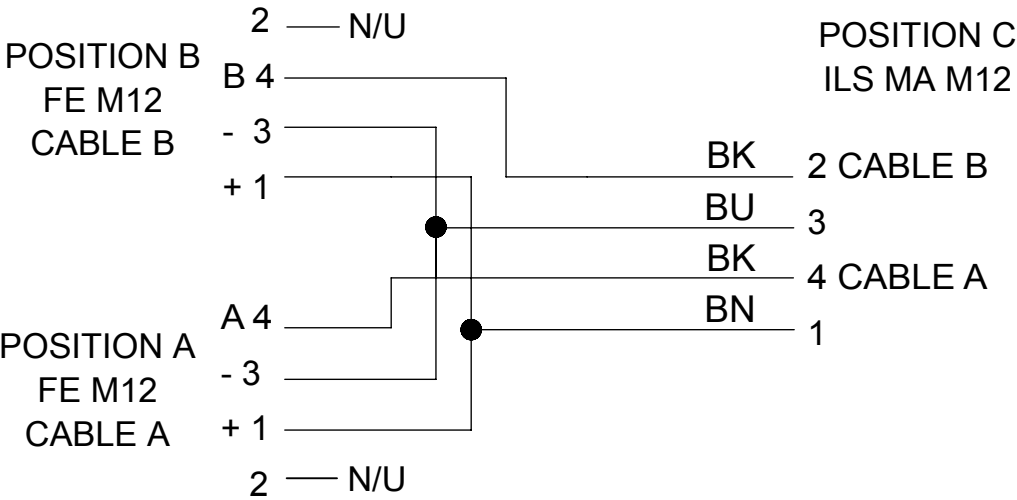
D

C

B

A

WIRING DIAGRAM



NOTES:
TEMPERATURE RANGE SEE TABLE ON SHEET 2
CONTACT CURRENT RATING 4A
VOLTAGE RATING 250V
PROTECTION CLASS IP67

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
		DIMENSION UNITS		SCALE		CURRENT REV DESC:											
		mm		3:2													
		GENERAL TOLERANCES (UNLESS SPECIFIED)															
		ANGULAR TOL ± °															
		= 0		EC NO: 625150		DRWN: MCELEJEWSKI 2019/10/04 CHK'D: DSTACHOWIAK 2019/10/07 APPR: DSTACHOWIAK 2019/10/07											
		= 0															
		= 0															
		= 0		4 PLACES ±		INITIAL REVISION: DRWN: JMARSZALEK 2014/11/15 APPR: MIWASIECZKO 2015/06/03											
		= 0		3 PLACES ±													
		= 0		2 PLACES ± 0.05													
		= 0		1 PLACE ± 0.3		DOCUMENT NUMBER SD-120068-002											
		= 0		0 PLACES ± 0.5						DOC TYPE PSD							
		= 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
		= 0						A3-SIZE		120068		SEE PART LIST/SHEET 2		GENERAL MARKET		1 OF 2	
		= 0		molex													
		= 0		ILS M12 M12 4P AC MA TPU 4P AC FE STR XM DE													
		= 0		PRODUCT CUSTOMER DRAWING													
		= 0		SD-120068-002													
		= 0		PSD													
		= 0		001													
		= 0		C													

DOCUMENT STATUS	P1	RELEASE DATE	2019/10/07	08:51:04
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FORMAT: master-b-prod-A3
REVISION: 14
DATE: 2018/01/18

9 8 7 6 5 4 3 2 1

PART No MATRIX

884A30B30MXX

88 = M12x1
Double ended

Poles:
4 = 4 Poles

Heads style:
A30 = ILS plug Male
2x plug Female straight

Cable:
B30 = 0.34mm² TPU Black

Units:
M = Meter

Length
Examples:
005 = 0.5 m
010 = 1 m
020 = 2 m
050 = 5 m
100 = 10 m
150 = 15 m
200 = 20 m

CABLE SPECIFICATION

CABLE TYPE	WIRES No	WIRE GAUAGE	CABLE JACKET	UL	CSA	TEMP. RANGE STATIC BENDING RADIUS STATIC	TEMP. RANGE DYNAMIC BENDING RADIUS DYNAMIC	DRAW CHAIN	OTHER INFORMATION
B30	3	0.34mm²	TPU BASED BLACK	STYLE 21215	YES	-40°C to +90°C 5xD	-25°C to +80°C 7.5xD	5 MILLION CYCLES, AT 25°C	WELD SLAG RESISTANCE

BOM

17		LABEL	VINYL	YELLOW
16	-	HEAT-SHRINK	-	CLEAR
15	1	INSERT M12 MALE 4P	PUR	BLACK
14	1	NUT M12 MALE	BRASS	NICKEL
13	1	CENTRE SPACER	-	GREY
12	2	CONTACT 10 MALE 0.34-0.75	BRASS	GOLD OVER NICKEL
11	2	CONTACT 10 MALE 0.14-0.5	BRASS	GOLD OVER NICKEL
10	-	CHEMLOK	-	-
9	1	LABEL;B B-500 WMB	-	BLACK
8	1	LABEL;A B-500 WMA	-	BLACK
7	2	M12 MALE COUPLING NUT	BRASS	NICKEL
6	2	M12 INSERT 3P FEMALE	PUR	BLACK
5	2	GASKET	FPM	RED
4	6	CONTACT 10 FEMALE	BRASS	GOLD OVER NICKEL
3	-	MOULDING MATERIAL	PVC	BLACK
2	-	MOULDING MATERIAL	TPU	BLACK
1	-	CABLE 3X0.34mm²	TPU	BK
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR

PART LIST

MOLEX PN	ENGINEERING No	L + TOL.
1200688193	884A30B30M006	600 +40/-0
1200688194	884A30B30M010	1000 +40/-0
1200688195	884A30B30M020	2000 +60/-0
1200688196	884A30B30M050	5000 +60/-0
1200688244	884A30B30M030	3000 +60/-0
1200688245	884A30B30M100	10000 +80/-0
1200688282	884A30B30M003	300 +40/-0

C

SYMBOLS

▽ = 0

▽ = 0

▽ = 0

▽ = 0

▼ = 0

▽ = 0

☒ = 0

■ = 0

▽ = 0

DIMENSION UNITS

mm

SCALE

1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± °

4 PLACES

±

3 PLACES

±

2 PLACES

± 0.05

1 PLACE

± 0.3

0 PLACES

± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 625150

DRWN: MCELEJEWSKI 2019/10/04

CHK'D: DSTACHOWIAK 2019/10/07

APPR: DSTACHOWIAK 2019/10/07

INITIAL REVISION:

DRWN: JMARSZALEK 2014/11/15

APPR: MIWASIECZKO 2015/06/03

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

120068

molex

ILS M12 M12 4P AC MA TPU
4P AC FE STR XM DE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

SD-120068-002

DOC TYPE

PSD

DOC PART

001

REVISION

C

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

SEE PART LIST/SHEET 2

GENERAL MARKET

2 OF 2

DOCUMENT STATUS

P1

RELEASE DATE

2019/10/07

08:51:04

FORMAT: master-B-prod-A3

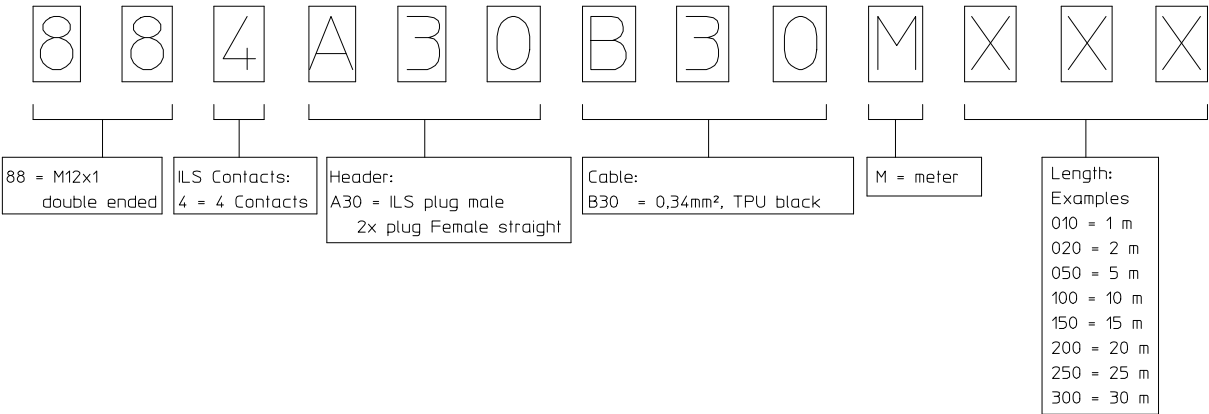
REVISION: 14

DATE: 2018/01/18

PART LIST

MOLEX PN	ENGINEERING No.	CABLE LENGTH "L"
1200688193	884A30B30M006	0.6m
1200688194	884A30B30M010	1m
1200688195	884A30B30M020	2m
1200688196	884A30B30M050	5m
1200688244	884A30B30M030	3m
1200688245	884A30B30M100	10m

NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request).



CABLE SPECIFICATION

CABLE TYPE	WIRES NO.	WIRE GAUGE	CABLE JACKET	UL	CSA	Temp. range static Bending radius static	Temp. range dynamic Bending radius dynamic	Drag chain	Other information
B30	3	0.34mm²	TPU Based Black	STYLE 21215	Yes	-40°C to +90°C 5xD	-25°C to +80°C 7.5xD	5 million cycles, at 25°C	Weld Slag Resistance

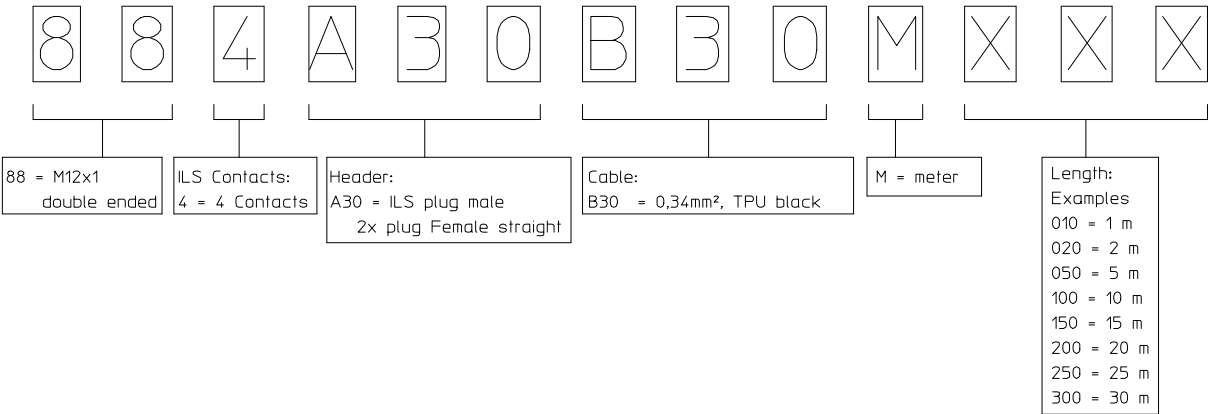
For Raw Cable Specification see SD-120209-001

Added new PNs EC NO: IPG2017-0591 DRWN: JMARSZALEK 2016/12/14 CHKD: FGAIK 2016/12/14 APPR: RSJLLER 2016/12/15	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE -	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 			
				mm	INCH	DRAWN BY JMARSZALEK	DATE 2014/11/15	TITLE ILS M12 M12 4P AC MA TPU 4P AC FE STR XM DE				
			4 PLACES	± ---	± ---	CHECKED BY FGAIK	DATE 2014/11/15					
			3 PLACES	± ---	± ---	APPROVED BY MIWASIECZKO	DATE 2015/06/03	molex DOCUMENT NO. SD-120068-002 SHEET NO. 2 OF 2				
			2 PLACES	± 0.05	± ---	MATERIAL NO.						
			1 PLACE	± 0.3	± ---	SEE PART LIST		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
			0 PLACE	± 0.5	± ---	SIZE A3						
			ANGULAR ± --- °									
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									

PART LIST

MOLEX PN	ENGINEERING No.	CABLE LENGTH "L"
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1200688194	884A30B30M010	1m
1200688195	884A30B30M020	2m
1200688196	884A30B30M050	5m
1200688244	884A30B30M030	3m
1200688245	884A30B30M100	10m

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			4 PLACES	± ---	± ---	CHECKED BY FGAIK	DATE 2014/11/15							
			3 PLACES	± ---	± ---	APPROVED BY MIWASIECZKO		DATE 2015/06/03		molex DOCUMENT NO. SD-120068-002 SHEET NO. 2 OF 2				
			2 PLACES	± 0.05	± ---	MATERIAL NO.								
			1 PLACE	± 0.3	± ---	SEE PART LIST								
			0 PLACE	± 0.5	± ---									
			ANGULAR ± ---°			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								
						SIZE A3					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			