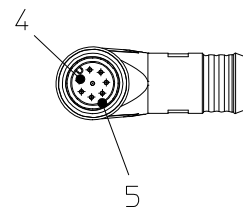
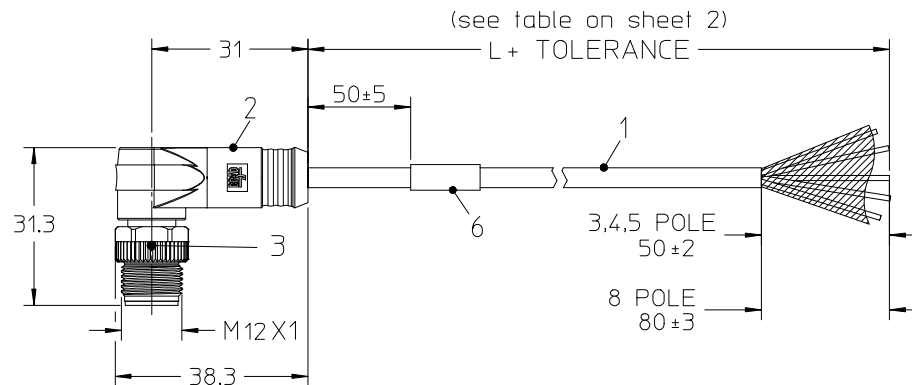


RIGHT ANGLE PLUG MALE

NOTES:

TEMPERATURE RANGE	SEE TABLE ON PAGE 2
CONTACT CURRENT RATING	3-5 POLES 4A 8 POLES 2A
VOLTAGE RATING	3-4 POLES 250V 5 POLES 60V 8 POLES 30V
PROTECTION CLASS	IP 67



VIEW FROM
THE FRONT SIDE

Mating face view:

Shield connected to the housing

M12S 3 POLE	M12S 4 POLE	M12S 5 POLE	M12S 8 POLE
PIN # WIRE 1 BROWN 2 BLUE 3 BLACK 4 - 5 -	PIN # WIRE 1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 -	PIN # WIRE 1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 GREY	PIN # WIRE 1 WHITE 2 BROWN 3 GREEN 4 YELLOW 5 GREY 6 PINK 7 BLUE 8 RED
CODING REQUIRED TO IEC 61076-2-101			

TOLERANCES:

≤ 1m	+40 mm
1m - 5m	+60 mm
5m - 10m	+80 mm
> 10m	+140 mm
> 20m	+160 mm
> 30m	+1%

Bill of Materials

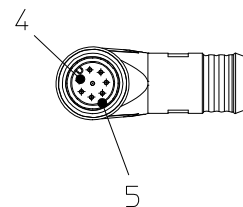
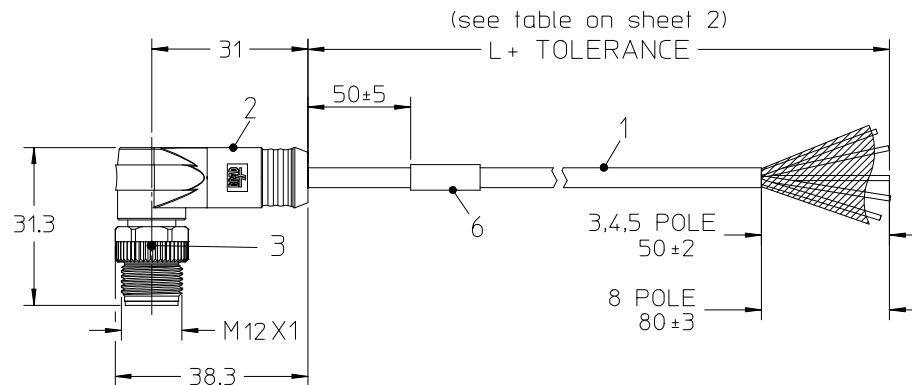
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
6	1	LABEL	-	-
5	1	INSERT XP MALE M12 SHIELD	PUR	BLACK
4	X	PIN MALE	BRASS	GOLD OVER NICKEL
3	1	KNU/HEX NUT M12 MALE	BRASS	CuNi3B
2	-	MOLDING NATURAL	TPU	BLACK
1	-	CABLE	SEE TABLE (SHEET 2)	-
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

PN ADDED EC NO: IPG2016-0365 DRWN:MAJGAT 2015/09/10 CHKD:AKONDRAC IUK 2015/09/10 APPR:MIWASIECZKO 2015/09/23	DESCRIPTION	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 2014/09/20	TITLE CSE M12 XP AC MA RA TPU XXM SE SHLD BK				
			4 PLACES	± ---	± ---	CHECKED BY WSTRASZKIEWI	DATE 2014/09/20					
			3 PLACES	± ---	± ---	APPROVED BY DATE MIWASIECZKO 2014/12/11		molex				
			2 PLACES	± ---	± ---							
1 PLACE	± ---	± ---										
0 PLACE	± ---	± ---	MATERIAL NO.		DOCUMENT NO.		SHEET NO.					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		SD-120069-009		1 OF 2					
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												

RIGHT ANGLE PLUG MALE

NOTES:

TEMPERATURE RANGE	SEE TABLE ON PAGE 2
CONTACT CURRENT RATING	3-5 POLES 4A 8 POLES 2A
VOLTAGE RATING	3-4 POLES 250V 5 POLES 60V 8 POLES 30V
PROTECTION CLASS	IP 67



VIEW FROM
THE FRONT SIDE

Mating face view:

Shield connected to the housing

M12S 3 POLE	M12S 4 POLE	M12S 5 POLE	M12S 8 POLE
PIN # WIRE 1 BROWN 2 BLUE 3 BLACK 4 - 5 -	PIN # WIRE 1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 -	PIN # WIRE 1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 GREY	PIN # WIRE 1 WHITE 2 BROWN 3 GREEN 4 YELLOW 5 GREY 6 PINK 7 BLUE 8 RED
CODING REQUIRED TO IEC 61076-2-101			

TOLERANCES:

≤ 1m	+40 mm
1m - 5m	+60 mm
5m - 10m	+80 mm
> 10m	+140 mm
> 20m	+160 mm
> 30m	+1%

Bill of Materials

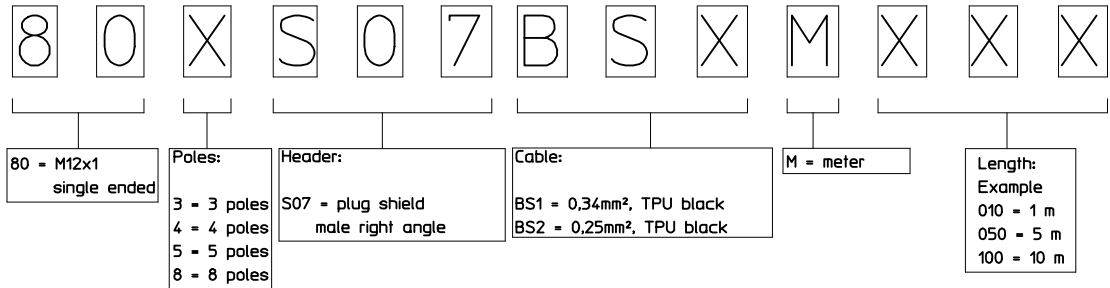
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
6	1	LABEL	-	-
5	1	INSERT XP MALE M12 SHIELD	PUR	BLACK
4	X	PIN MALE	BRASS	GOLD OVER NICKEL
3	1	KNU/HEX NUT M12 MALE	BRASS	CuNi3B
2	-	MOLDING NATURAL	TPU	BLACK
1	-	CABLE	SEE TABLE (SHEET 2)	-
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

PN ADDED EC NO: IPG2016-0365 DRWN:MAJGAT 2015/09/10 CHKD:AKONRAC IUK 2015/09/10 APPR:MIWASIECZKO 2015/09/23		DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
B1	REV					DRAWN BY DATE JMARSZALEK 2014/09/20		TITLE CSE M12 XP AC MA RA TPU XXM SE SHLD BK					
						CHECKED BY DATE WSTRASZKIEWI 2014/09/20							
						APPROVED BY DATE MIWASIECZKO 2014/12/11		molex					
				ANGULAR ± 1 °		MATERIAL NO.					DOCUMENT NO.		SHEET NO.
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE					SD-120069-009		1 OF 2
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													

TABLE 1

MOLEX PN	ENGINEERING No.	CABLE LENGTH "L" IN M
1200698628	803S07BS1M010	1M
1200698629	803S07BS1M020	2M
1200698630	803S07BS1M050	5M
1200698631	803S07BS1M100	10M
1200698632	804S07BS1M010	1M
1200698633	804S07BS1M020	2M
1200698634	804S07BS1M050	5M
1200698635	804S07BS1M100	10M
1200698636	805S07BS1M010	1M
1200698637	805S07BS1M020	2M
1200698638	805S07BS1M050	5M
1200698639	805S07BS1M100	10M
1200698640	808S07BS2M010	1M
1200698641	808S07BS2M020	2M
1200698642	808S07BS2M050	5M
1200698643	808S07BS2M100	10M
1200699002	805S07BS1M070	7M

NUMERICAL CODE



CABLE SPECIFICATION

CABLE TYPE	WIRE GAUGE	CABLE JACKET	UL	CSA	Temp. range static Bending radius static	Temp. range dynamic Bending radius dynamic	drag chain tested	shield type	other information
BS1 3P, 4P, 5P	0.34mm²	TPU black	STYLE 21215	yes	-40°C to +90°C 5xD	-25°C to +80°C 7.5xD	5 mio cycles	braid	WELD SLAG RESISTANCE
BS2 8P	0.25mm²	TPU black	STYLE 21215	yes	-40°C to +90°C 5xD	-25°C to +80°C 7.5xD	5 mio cycles	braid	WELD SLAG RESISTANCE

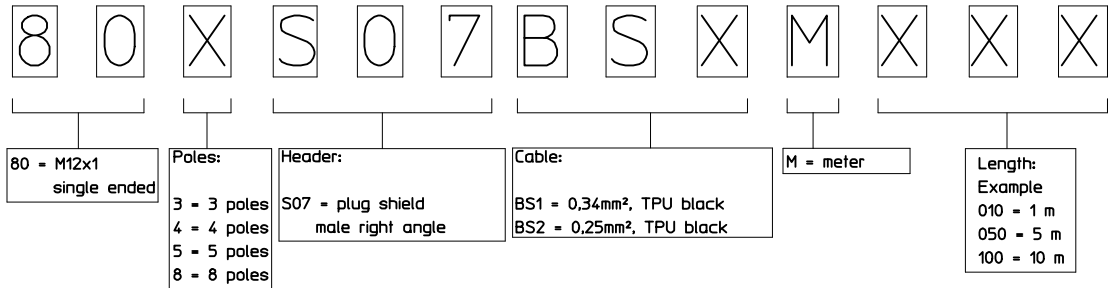
For Raw Cable Specification see SD-120209-003

PN ADDED EC NO: IPG2016-0365 DRWN:MAJGAT 2015/09/10 CHKD:AKONDRAL IUK 2015/09/10 APPR:MIWASIECZKO 2015/09/23	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		▽=0			DRAWN BY DATE		TITLE CSE M12 XP AC MA RA TPU XXM SE SHLD BK			
		◇=0			CHECKED BY DATE					
					WSTRASZKIEWI 2014/09/20		molex DOCUMENT NO. SD-120069-009 SHEET NO. 2 OF 2			
					APPROVED BY DATE					
					MIWASIECZKO 2014/12/11					
REV		ANGULAR ± 1 °		MATERIAL NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE 1						
B1				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

TABLE 1

MOLEX PN	ENGINEERING No.	CABLE LENGTH "L" IN M
1200698628	803S07BS1M010	1M
1200698629	803S07BS1M020	2M
1200698630	803S07BS1M050	5M
1200698631	803S07BS1M100	10M
1200698632	804S07BS1M010	1M
1200698633	804S07BS1M020	2M
1200698634	804S07BS1M050	5M
1200698635	804S07BS1M100	10M
1200698636	805S07BS1M010	1M
1200698637	805S07BS1M020	2M
1200698638	805S07BS1M050	5M
1200698639	805S07BS1M100	10M
1200698640	808S07BS2M010	1M
1200698641	808S07BS2M020	2M
1200698642	808S07BS2M050	5M
1200698643	808S07BS2M100	10M
1200699002	805S07BS1M070	7M

NUMERICAL CODE



CABLE SPECIFICATION

CABLE TYPE	WIRE GAUGE	CABLE JACKET	UL	CSA	Temp. range static Bending radius static	Temp. range dynamic Bending radius dynamic	drag chain tested	shield type	other information
BS1 3P, 4P, 5P	0.34mm²	TPU black	STYLE 21215	yes	-40°C to +90°C 5xD	-25°C to +80°C 7.5xD	5 mio cycles	braid	WELD SLAG RESISTANCE
BS2 8P	0.25mm²	TPU black	STYLE 21215	yes	-40°C to +90°C 5xD	-25°C to +80°C 7.5xD	5 mio cycles	braid	WELD SLAG RESISTANCE

For Raw Cable Specification see SD-120209-003

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					DRAWN BY DATE JMARSZALEK 2014/09/20		TITLE CSE M12 XP AC MA RA TPU XXM SE SHLD BK				
					CHECKED BY DATE WSTRASZKIEWI 2014/09/20						
					APPROVED BY DATE MIWASIECZKO 2014/12/11		molex				
					MATERIAL NO.						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE 1		SD-120069-009				2 OF 2
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
B1	REV										