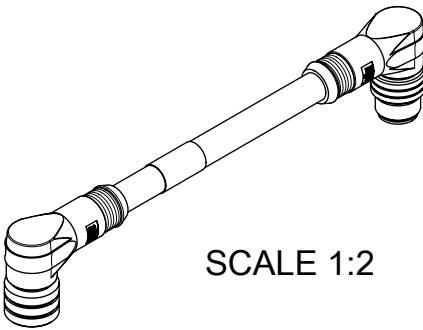
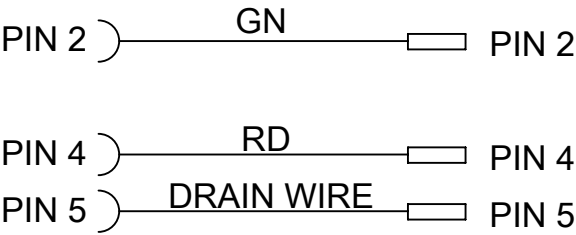


CONNECTOR SPECIFICATION :

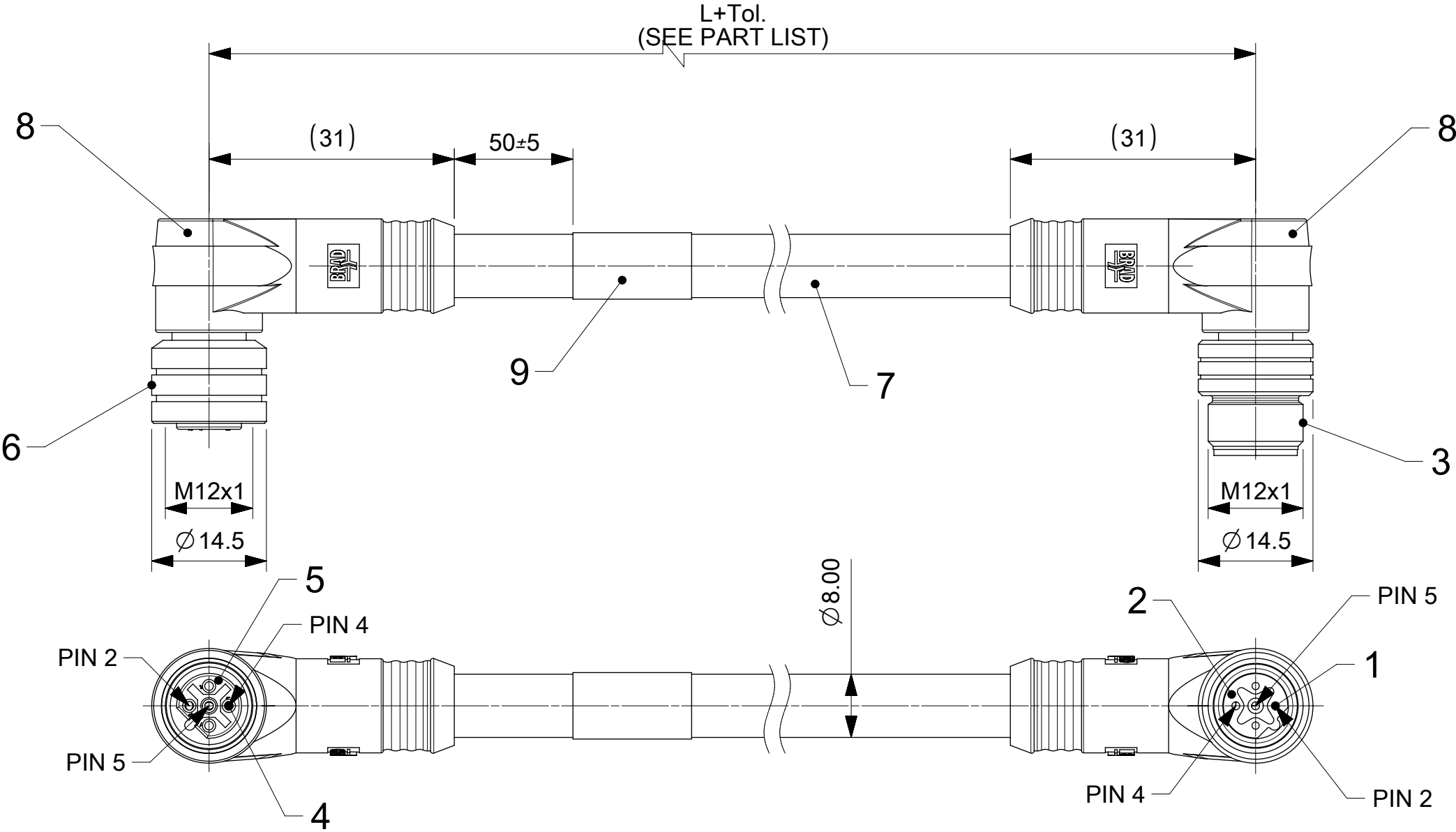
VOLTAGE RATING : 60V AC/DC
AMPERAGE RATING : 4 AMPS
PROTECTION CLASS : IP67
OPERATING TEMPERATURE - STATIC : -40°C TO +80°C
FLEXING : -20°C TO +80°C

WIRE DIAGRAM



PART LIST

MOLEX P/N	ENGINEERING NO	L(mm)
1200390199	BB5S33PP4M003	300
1200390200	BB5S33PP4M005	500
1200980028	BB5S33PP4M006	600
1200980029	BB5S33PP4M010	1000
1200980031	BB5S33PP4M020	2000
1200980032	BB5S33PP4M030	3000
1200980033	BB5S33PP4M050	5000
1200980034	BB5S33PP4M080	8000
1200980035	BB5S33PP4M100	10000
1200980036	BB5S33PP4M120	12000
1200988050	BB5S33PP4M150	15000
1200988051	BB5S33PP4M200	20000
1200988052	BB5S33PP4M300	30000



BILL OF MATERIALS

ITEM	QTY.	DESCRIPTION	MATERIAL	COLOR/FINISH
1	3	CONTACT MALE	COPPER	GOLD OVER Ni-PLATED
2	1	INSERT MALE	PUR	BLACK
3	1	COUPLING NUT MALE	BRASS	Ni-PLATED
4	3	CONTACT FEMALE	BRONZE	GOLD OVER Ni-PLATED
5	1	INSERT FEMALE	PUR	BLACK
6	1	COUPLING NUT FEMALE	BRASS	Ni-PLATED
7	-	CABLE	PUR	VIOLET
8	-	OVERMOULD	TPU	YELLOW
9	1	LABEL	VINYL	YELLOW

DOCUMENT STATUS P1 RELEASE DATE 2019/05/10 14:00:32

Table of length tolerances		
Over	Up to and including	Tolerance(+)
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	+2% of length

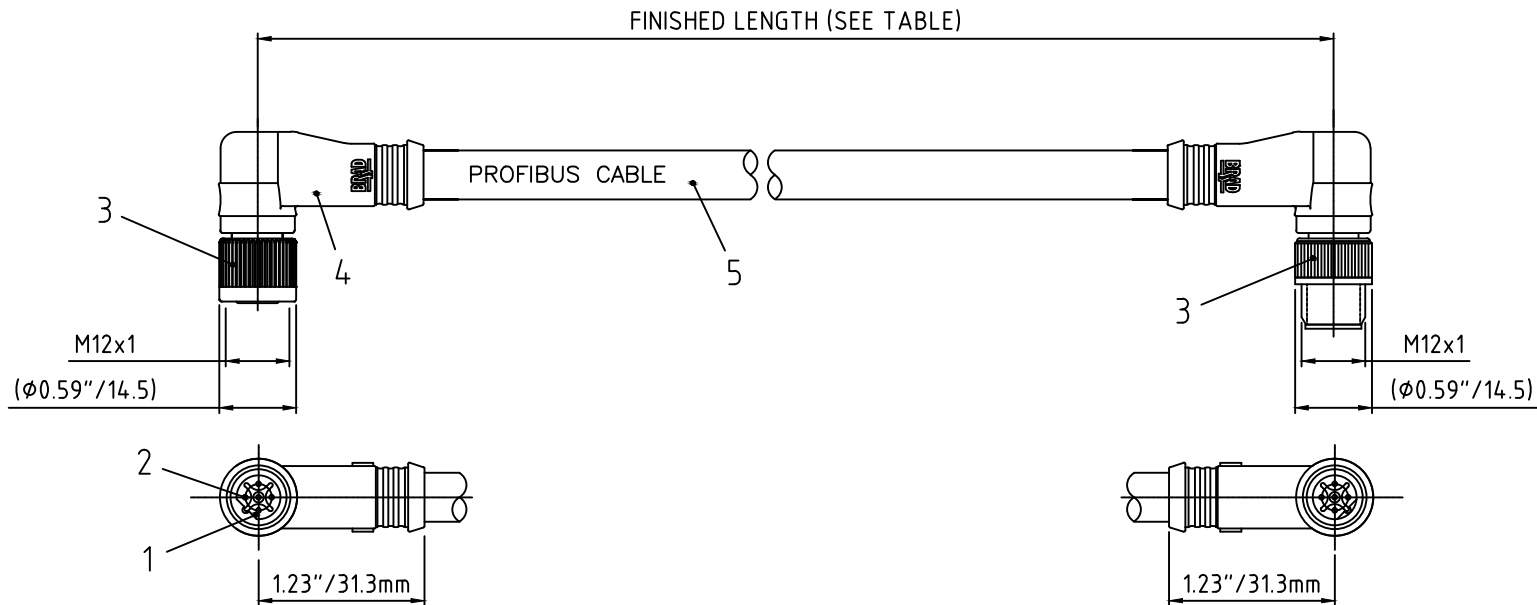
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
$\nabla = 0$	DIMENSION UNITS mm SCALE 1.5:1
$\nabla = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)
$\nabla = 0$	ANGULAR TOL $\pm$ °
$\nabla = 0$	4 PLACES $\pm$
$\nabla = 0$	3 PLACES $\pm$
$\nabla = 0$	2 PLACES $\pm$
$\nabla = 0$	1 PLACE $\pm$ 0.3
$\nabla = 0$	0 PLACES $\pm$
$\boxtimes = 0$	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS
$\blacksquare = 0$	THIRD ANGLE PROJECTION
$\nabla = 0$	DRAWING A3-SIZE
	SERIES 120098
	EC NO: 616948
	DRWN: SSM 2019/05/07
	CHK'D: RSILLER 2019/05/10
	APPR: RSILLER 2019/05/10
	INITIAL REVISION:
	DRWN: SSM 2019/05/07
	APPR: RSILLER 2019/05/10
	DOCUMENT NUMBER 1200980029
	DOC TYPE PSD
	DOC PART 000
	REVISION A
	PRODUCT CUSTOMER DRAWING
	CSE M12 PRO 5P BC FE/MA RA PUR XM SHLD
	MATERIAL NUMBER SEE PART LIST
	CUSTOMER GENERAL MARKET
	SHEET NUMBER 1 OF 1

CUSTOMER PRODUCT APPROVAL

APPROVED BY: _____

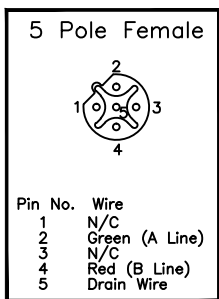
DATE: _____

MUST BE SIGNED AND RETURNED BEFORE PRODUCTION WILL BEGIN

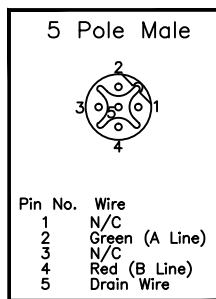


POL	MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH
5	1200980029	BB5S33PP4M010	3.28' +2.19" -0 [1.0M +55.6 -0]

Face View



Face View



CONNECTOR SPECIFICATION:

VOLTAGE RATING	60V AC/DC
AMPERAGE RATING	4 AMPS
PROTECTION CLASS	IP67
OPERATING TEMPERATURE	STATIC: -40°C TO +80°C FLEXING: -20°C TO +80°C
UL CERTIFICATIONS	NOT APPLICABLE
CSA CERTIFICATIONS	NOT APPLICABLE

ITEM	COMPONENT	MATERIAL	FINISH
1	INSERT	POLYURETHANE (PUR)	BLACK
2	CONTACT MATERIAL	COPPER ALLOY	GOLD OVER NICKEL
3	COUPLING NUT	BRASS	NICKEL PLATED
4	OVERMOLD	TPU	YELLOW
5	CABLE 2x0.2 ² /24 AWG	JACKET: PUR	JACKET: VIOLET

DESCRIPTION EC NO: IPG2012-0445 DRWN: BBRAUCH CHKD: REISSNER APPR: REISSNER 28.02.12 2010/01/28	QUALITY SYMBOLS ▽ = 0 C = 0	GENERAL TOLERANCES (UNLESS SPECIFIED) mmINCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± 0.1 1 PLACE ± 0.3 ± --- ANGULAR ± --- ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
			DRAWN BY DATE BBRAUCH 2010/01/25		CSE M12 5P BC FEMA RA PUR XM SHLD YL BRA AU M12 PROFIBUS CABLE		
			CHECKED BY DATE NS 2010/01/28				
			APPROVED BY DATE REISSNER 2010/01/28		MOLEX INCORPORATED		
			MATERIAL NO.				
REV 2			SEE TABLE		DOCUMENT NO. SD-120098-032		SHEET NO. 1 OF 1
			SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				