

SCALE 1:1

PART NO MATRIX

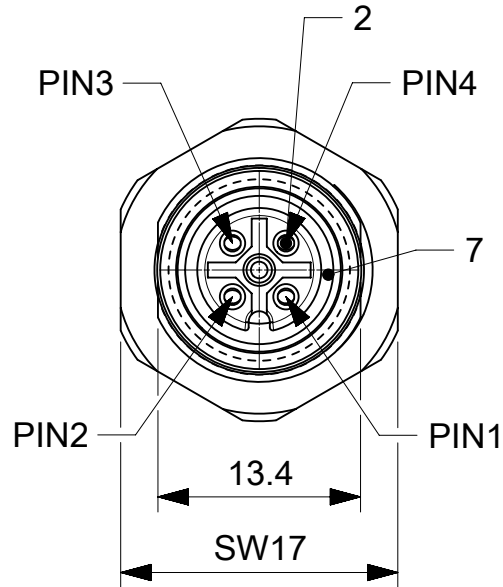
8	R	4	J	4	0	X	X	X	C	X	X	X	X
8R = MICRO RECEPTACLE		POLES: 4 = 4 POLES	HEADER: FEMALE CONTACT FEMALE THREAD M12 PG9 MOUNTING THREAD			CABLE TYPE E02=0.25mm PVC E03=0.34mm PVC		UNIT: C=CENTIMETER M = METR/METER	LENGTH EXAMPLE: 300 = 30cm(300mm) 050 = 5 m(5000mm) 100 = 10 m(10000mm)			OPTIONS SHELL MATERIAL 3=BRASS BRASS-BNP	

TABLE 1

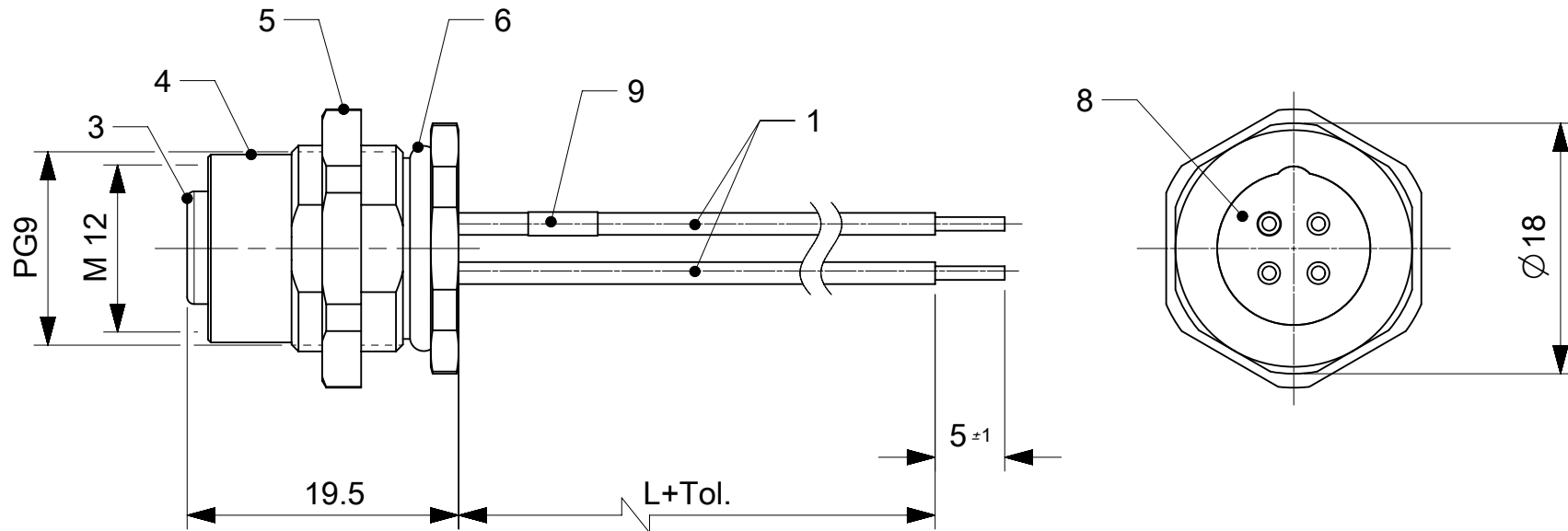
MOLEX P/N	ENGINEERING NO.	L [mm]
1200705168	8R4J40E03C200	200
1200708015	8R4J40E03C300	300
1200110239	8R4J40E03C3003	300
1200708130	8R4J40E03C500	500
1200705035	8R4J40E03M010	1000
1200705187	8R4J40E03M030	3000
1200708069	8R4J40E03M0303	3000

WIRE DIAGRAM

1)	BROWN
2)	WHITE
3)	BLUE
4)	BLACK



VIEW FROM FRONT SIDE



NOTES:
ELECTRICAL DATA:
VOLTAGE RATING: 250V
AMPERAGE RATING: 4A
INSULATION RESISTANCE: 10⁸ Ω MIN.
MATING CYCLES: MAX. 100

ENVIRONMENTAL:
PROTECTION: IP67
OPERATING TEMPERATURE: -25°C TO +85°C

BOM

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR
1	-	WIRE 22AMG	PVC	BROWN
		WIRE 22AMG	PVC	WHITE
		WIRE 22AMG	PVC	BLUE
		WIRE 22AMG	PVC	BLACK
2	4	FEMALE CONTACT	BRASS	GOLD OVER Ni-PLATED
3	1	FEMALE INSERT	TPU	BLACK
4	1	SHELL	BRASS	NICKEL PLATED
5	1	LOCKNUT PG9	BRASS	NICKEL PLATED
6	1	O-RING	NBR	BLACK
7	1	GASKET	FPM	RED
8	-	POTTING MATERIAL	EPOXY	TRANSPARENT
9	1	LABEL	VINYL	YELLOW

CABLE SPECIFICATION

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	RATED VOLTAGE	RATED TEMPERATURE
E03	4	0.34mm ²	PVC	UL758, UL1581	C22.2 No.210	300	105

<table><tr><td colspan="3">Table of length tolerances</td></tr><tr><td>Over</td><td>Up to and including</td><td>Tolerance</td></tr><tr><td>0</td><td>305</td><td>+19</td></tr><tr><td>305</td><td>915</td><td>+45</td></tr><tr><td>915</td><td>1830</td><td>+56</td></tr><tr><td>1830</td><td>3660</td><td>+89</td></tr><tr><td>3660</td><td>7320</td><td>+165</td></tr><tr><td>7320</td><td>14640</td><td>+317</td></tr><tr><td>14640</td><td>30500</td><td>+610</td></tr><tr><td>30500</td><td>></td><td>+2% of length</td></tr></table>			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										molex REC M12 4P AC FE STR PVC PG9 PRODUCT CUSTOMER DRAWING <table><tr><td colspan="2">DOCUMENT NUMBER</td><td>DOC TYPE</td><td>DOC PART</td><td>REVISION</td></tr><tr><td colspan="2">1200705168</td><td>PSD</td><td>000</td><td>A</td></tr><tr><td colspan="2">MATERIAL NUMBER</td><td colspan="2">CUSTOMER</td><td>SHEET NUMBER</td></tr><tr><td colspan="2">SEE TABLE 1</td><td colspan="2">GENERAL MARKET</td><td>1 OF 1</td></tr></table>	DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	1200705168		PSD	000	A	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	SEE TABLE 1		GENERAL MARKET		1 OF 1
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F = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: EC NO: 604072 DRWN: SSM 2018/09/05 CHK'D: SSM 2018/09/06 APPR: RSILLER 2018/09/07 INITIAL REVISION: DRWN: SSM 2018/09/05 APPR: RSILLER 2018/09/07 THIRD ANGLE PROJECTION DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DRAWING A3-SIZE SERIES 120070																																																											
E = 0	mm		2:1																																																													
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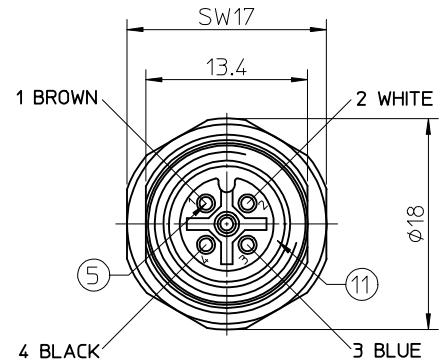
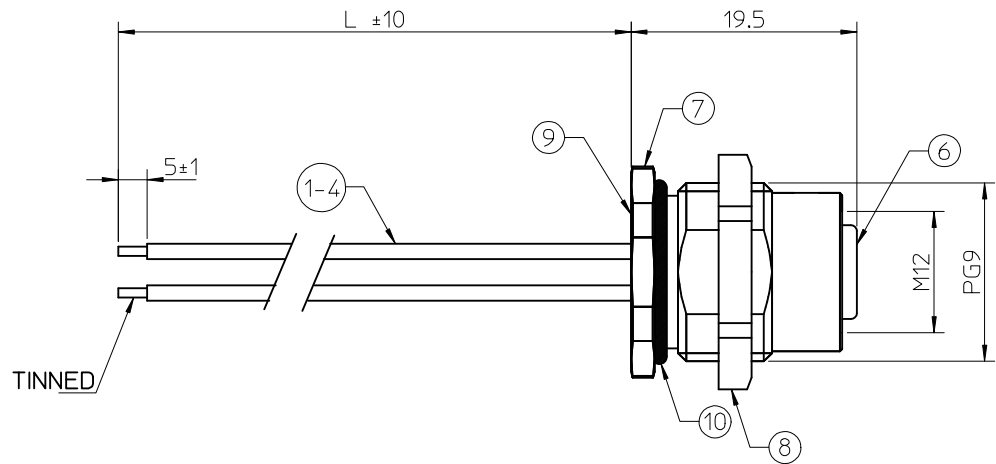
WIRES SPECIFICATION UL1569:

RATED VOLTAGE: 300 V
RATED TEMPERATURE: 105°C
PRODUCT STANDARD CERTIFICATION: UL
FLAMMABILITY TEST: VW-1, CSA FT1
AWG: 22
CONSTRUCTION: 17/0.16
STRANDED DIAMETER: 0.76mm
INSULATION: PVC
INSULATION DIAMETER: 1.58 (±0.05)mm

PART No MATRIX

8	R	4	J	4	0	X	X	X	X	X	X	X
B-Micro	R-Recaptable	4=4 Core	Female Contact	Female Thread M12	P2P Mounting Thread	IE02-0.25mm PVC	IE03-0.34mm PVC	C= CENTIMETRES	IN= INCHES	LENGTH (300-3000mm)	LENGTH (1030-3m3000mm)	Shell Material 3=Brass 16=Brass-6NP

MOLEX PN	ENGINEERING NO.	L [mm]
1200110239	8R4J40E03C3003	300
1200705168	8R4J40E03C200	200
1200708015	8R4J40E03C300	300
1200708069	8R4J40E03M0303	3000
1200708130	8R4J40E03C500	500



VIEW FROM THE FRONT SIDE
(WITHOUT THE LOCKNUT)

BILL OF MATERIALS

11	1	GASKET	FPM	RED
10	1	O-RING	NBR 70	BLACK
9	-	POTTING MATERIAL	-	-
8	1	PG9 LOCKNUT	BRASS	NICKEL PLATED
7	1	M12 PG9 SHELL	CuZn39Pb3	Cu/Ni3b
6	1	M12 4P FEMALE INSERT	PUR	BLACK
5	4	FEMALE CONTACT	CuSn6	CuNi2Au0.7
4	-	WIRE 22AWG	PVC	BLACK
3	-	WIRE 22AWG	PVC	BLUE
2	-	WIRE 22AWG	PVC	WHITE
1	-	WIRE 22AWG	PVC	BROWN
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

ORIGINAL RELEASE EC NO: IPG2015-0963 DRWN:FGAIK 2014/12/01 CHKD:JMARSZALEK 2014/12/02 APPR:MIWASIECZKO 2014/12/09	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
					DRAWN BY FGAIK	DATE 2014/12/01	TITLE M12-REC-FEM-4P-BACK-PG9-XM-PVC					
					CHECKED BY JMARSZALEK	DATE 2014/12/02						
					APPROVED BY MIWASIECZKO	DATE 2014/12/09						
			ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO. SD-120070-050				SHEET NO. 1 OF 1	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART 1							
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					