

PART No MATRIX

8R5J30XXXXXX

8R = Micro-Change Receptacle

Poles: 5 = 5 Poles

Heads style: J30 = Female contact, Female thread M12 PG9 Mounting Thread

Cable: E03 - 22AWG I12 - 20AWG

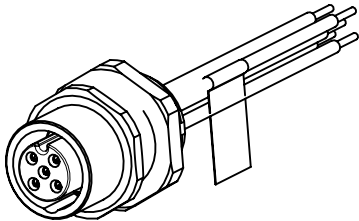
Units: M = Meter C = Centimeter

Length Examples: M005 = 0.5m M010 = 1m M020 = 2m C300 = 0.3m C500 = 0.5m

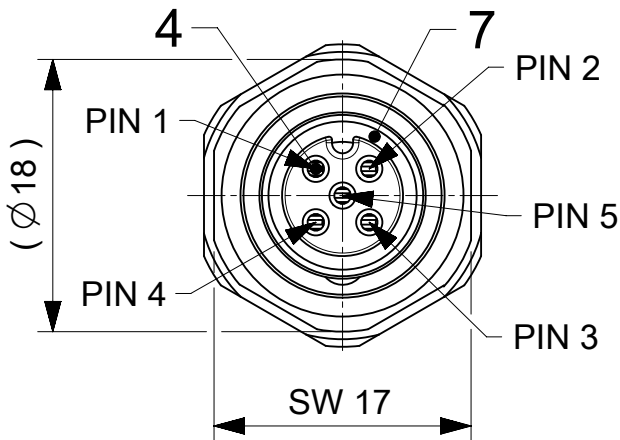
Nut material: 3= Brass Nickel Plated (Standard)

WIRING DIAGRAM

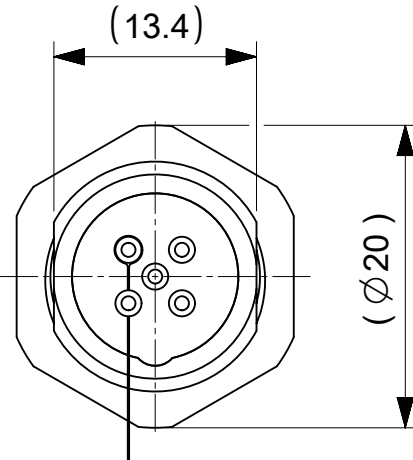
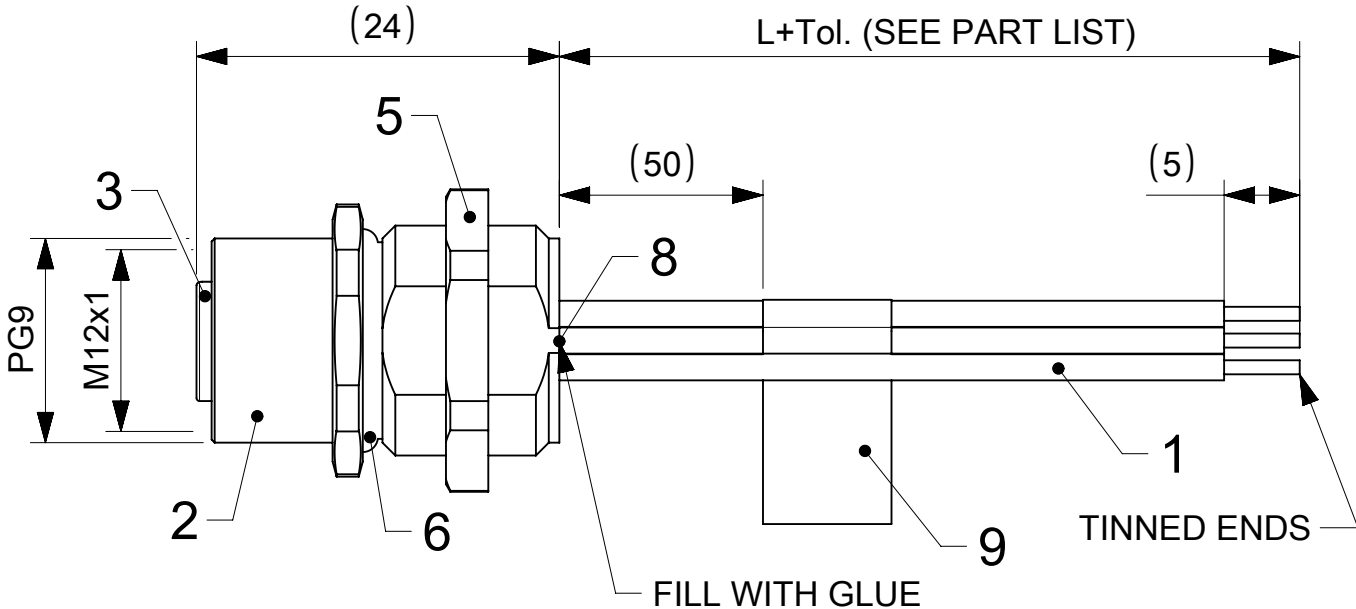
PIN 1) BROWN
PIN 2) WHITE
PIN 3) BLUE
PIN 4) BLACK
PIN 5) GREY OR GREEN/YELLOW



SCALE 1:1



VIEW FROM THE FRONT SIDE



VIEW FROM THE BACK SIDE

NOTES:
ELECTRICAL DATA:
VOLTAGE RATING: 60V
AMPERAGE RATING: 4A
INSULATION RESISTANCE: 10⁸ Ω MIN.
MATING CYCLES: MIN. 100

ENVIRONMENTAL:
PROTECTION: IP67 IN MATED & LOCKED POSITION
OPERATING TEMPERATURE: -25°C TO +85°C

RECOMMENDED PANEL CUT OUT

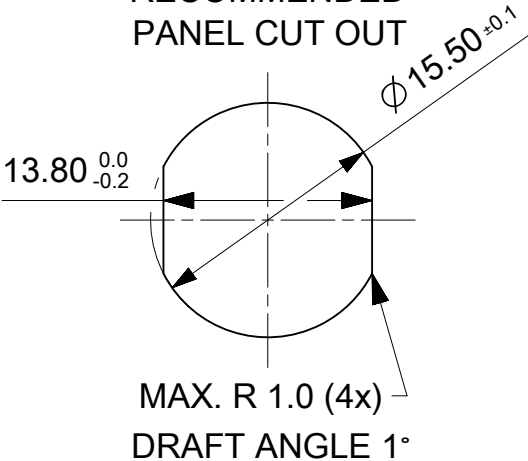


TABLE 1

MOLEX PN	CABLE TYPE	AWG	COLOR
1202098128	I12	20	BN
1202098140	I12	20	WH
1202098129	I12	20	BU
1202098127	I12	20	BK
1202098131	I12	20	GN/YE
1202098145	E03	22	BN
1202098163	E03	22	WH
1202098146	E03	22	BU
1202098143	E03	22	BK
1202098151	E03	22	GY

BOM

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/MATERIAL
1	-	WIRES	PVC	SEE TABLE 1
2	1	REC SHELL M12(FE)xPG9(M)	BRASS	NICKEL PLATED
3	1	INSERT M12 5P FE	ZYTEL	BLACK
4	5	TERMINAL CONTACT	CDA	NICKEL PLATED
5	1	LOCKNUT PG9	BRASS	NICKEL PLATED
6	1	O-RING	NBR	BLACK
7	1	GASKET	FPM	RED
8	-	POTTING MATERIAL	WEVO	-
9	1	LABEL WRAP	VINYL	YELLOW

PARTS LIST

MOLEX PN	ENGINEERING NO	L+Tol.[mm]
1200110037	8R5J30E03C5003	500 +45
1200110038	8R5J30E03M0203	2000 +89
1200110266	8R5J30I12M0303	3000 +89
1200110301	8R5J30I12M0703	7000 +165
1200110342	8R5J30E03M0103	1000 +56
1200700229	8R5J30E03C3003	300 +19
1200708025	8R5J30E03C500	500 +45
1200708025	8R5J30E03M020	2000 +89

DOCUMENT STATUS	P1	RELEASE DATE	2023/06/26	12:28:55
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FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	SCALE	CURRENT REV DESC:	molex			
FA = 0	mm	2:1	EC NO: 754506	MMC-5P-REC-FE-PG9-XM-PVC			
FE = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			PRODUCT CUSTOMER DRAWING			
FE = 0	ANGULAR TOL ± 1.0°			DOCUMENT NUMBER			
DIVISIONAL SYMBOLS			EC NO: 754506			DOC TYPE	
			DRWN: VHANDI			DOC PART	
			CHK'D: RSILLER			REVISION	
			APPR: RSILLER				
			INITIAL REVISION:				
			DRWN: VHANDI				
			APPR: RSILLER				
			THIRD ANGLE PROJECTION				
			DRAWING				
			SERIES				
			MATERIAL NUMBER				
			CUSTOMER				
			SHEET NUMBER				
			A3-SIZE				
			120011				
			SEE PART LIST				
			GENERAL MARKET				
			1 OF 1				