

GENERAL CHARACTERISTIC	
CONNECTOR STYLE	MALE ANGLED CONNECTOR
CONNECTOR BARRING	SCREW
CONNECTION METHOD	SCREW CLAMP
TERMINAL CROSS-SECTION (mm)	MAX. 1.50 mm ² WITH FERRULE / MAX. 2.50 mm ² WITHOUT FERRULE
TERMINAL CROSS-SECTION (AWG)	16 WITH FERRULE / 14 WITHOUT FERRULE
CABLE OUTER DIAMETER	8.0 - 13.0 mm
UPPER LIMITING CONNECTOR TEMPERATURE	+85 °C
LOWER LIMITING CONNECTOR TEMPERATURE	-40 °C

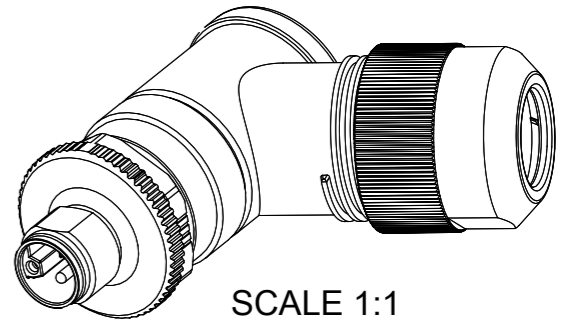
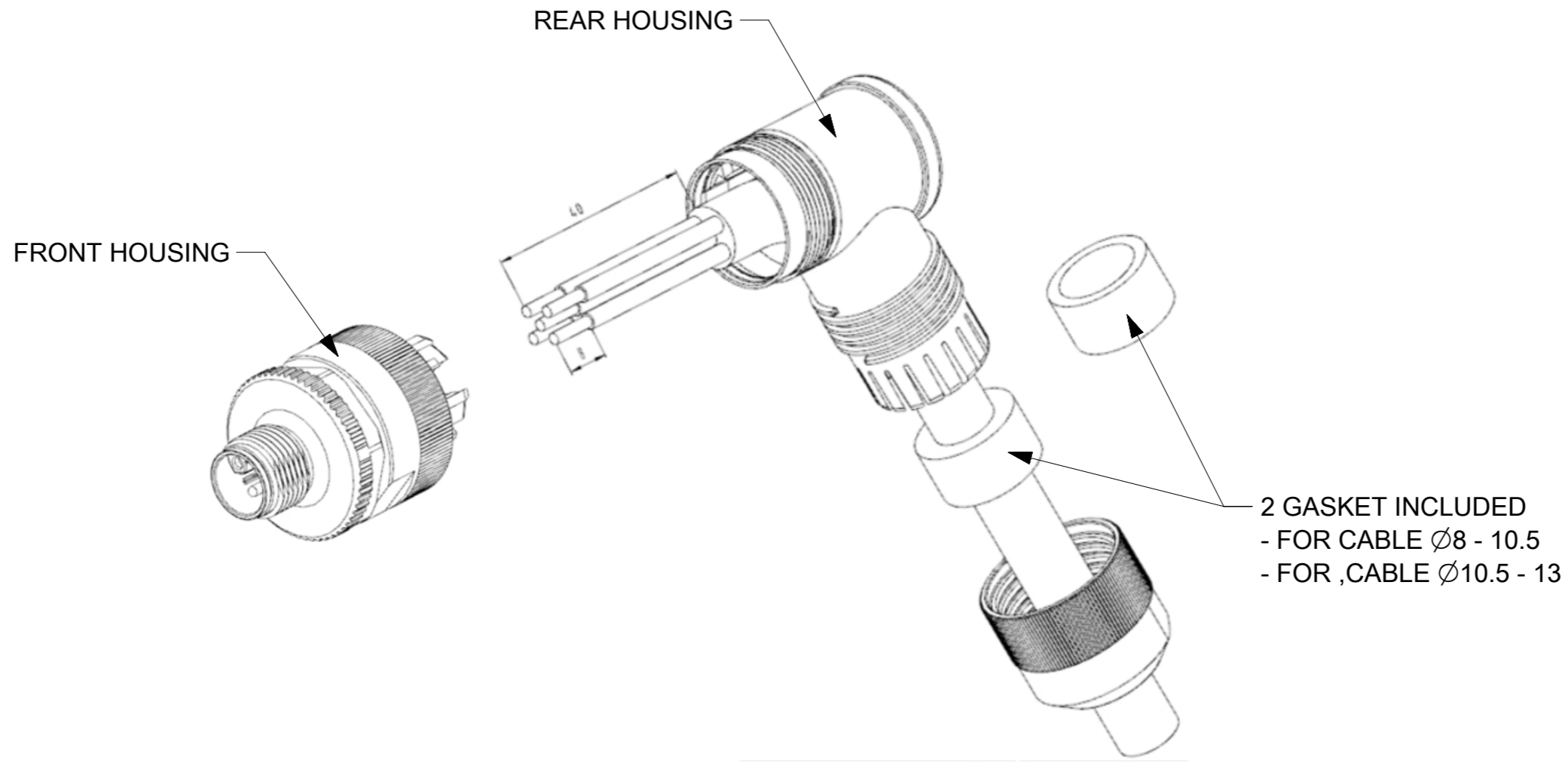
ELECTRICAL CHARACTERISTIC	
RATED CURRENT (40°C)	12 A (AT 1.5 mm ² / AWG 16) / 16 A (AT 2.5 mm ² / AWG 14)
RATED VOLTAGE	63 V
RATED IMPULSE VOLTAGE UL	1500 V
RATED IMPULSE VOLTAGE	1500 V
POLLUTION DEGREE	3
OVERVOLTAGE CATEGORY	III
INSULATOR GROUP	I
INSULATION RESISTANCE	> 10 ¹⁰ Ω
EMC COMPLIANCE	NOT SHIELDED
DEGREE OF PROTECTION	IP 67
MECHANICAL OPERATION	>100 MATING CYCLES

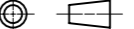
MATERIAL	
CONTACT MATERIAL	CuZn (BRASS)
CONTACT PLATING	Au (GOLD)
CONTACT BODY MATERIAL	PA (UL94 V-0)
HOUSING MATERIAL	PA
REACH SVHC	CAS 7439-92-1 (LEAD)

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
	DIMENSION UNITS	SCALE					
	mm	2:1					
	GENERAL TOLERANCES (UNLESS SPECIFIED)						
	ANGULAR TOL ± 1.0 °						
DIVISIONAL SYMBOLS	4 PLACES	±					
	3 PLACES	±					
	2 PLACES	± 0.05					
	1 PLACE	± 0.3					
	0 PLACES	± 0.5					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
			A3-SIZE	120503	1205030010	GENERAL MARKET	1 OF 2

CURRENT REV DESC:		molex	
EC NO: 765412		FA M12 5P LC MA ANGLED UNSH	
DRWN: ARPITT	2023/10/10		
CHK'D: RSILLER	2023/10/10		
APPR: RSILLER	2023/10/10		
INITIAL REVISION:		PRODUCT CUSTOMER DRAWING	
DRWN: RSCHEBER	2021/07/12		
APPR: RSILLER	2021/08/02		

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1205030010	PSD	000	A2



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##### <div>FA = 0</div> <div>FE = 0</div> <div>FD = 0</div> #####	DIMENSION UNITS		SCALE		CURRENT REV DESC: EC NO: 765412 DRWN: ARPITT 2023/10/10 CHK'D: RSILLER 2023/10/10 APPR: RSILLER 2023/10/10 INITIAL REVISION: DRWN: RSCHIEBER 2021/07/12 APPR: RSILLER 2021/08/02				<div>molex</div> FA M12 5P LC MA ANGLED UNSH						
	mm		2:1												
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	ANGULAR TOL ± 1.0°														
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING A3-SIZE		SERIES 120503		MATERIAL NUMBER 1205030010		CUSTOMER GENERAL MARKET		SHEET NUMBER 2 OF 2	