

SCALE 2:1

GENERAL CHARACTERISTIC

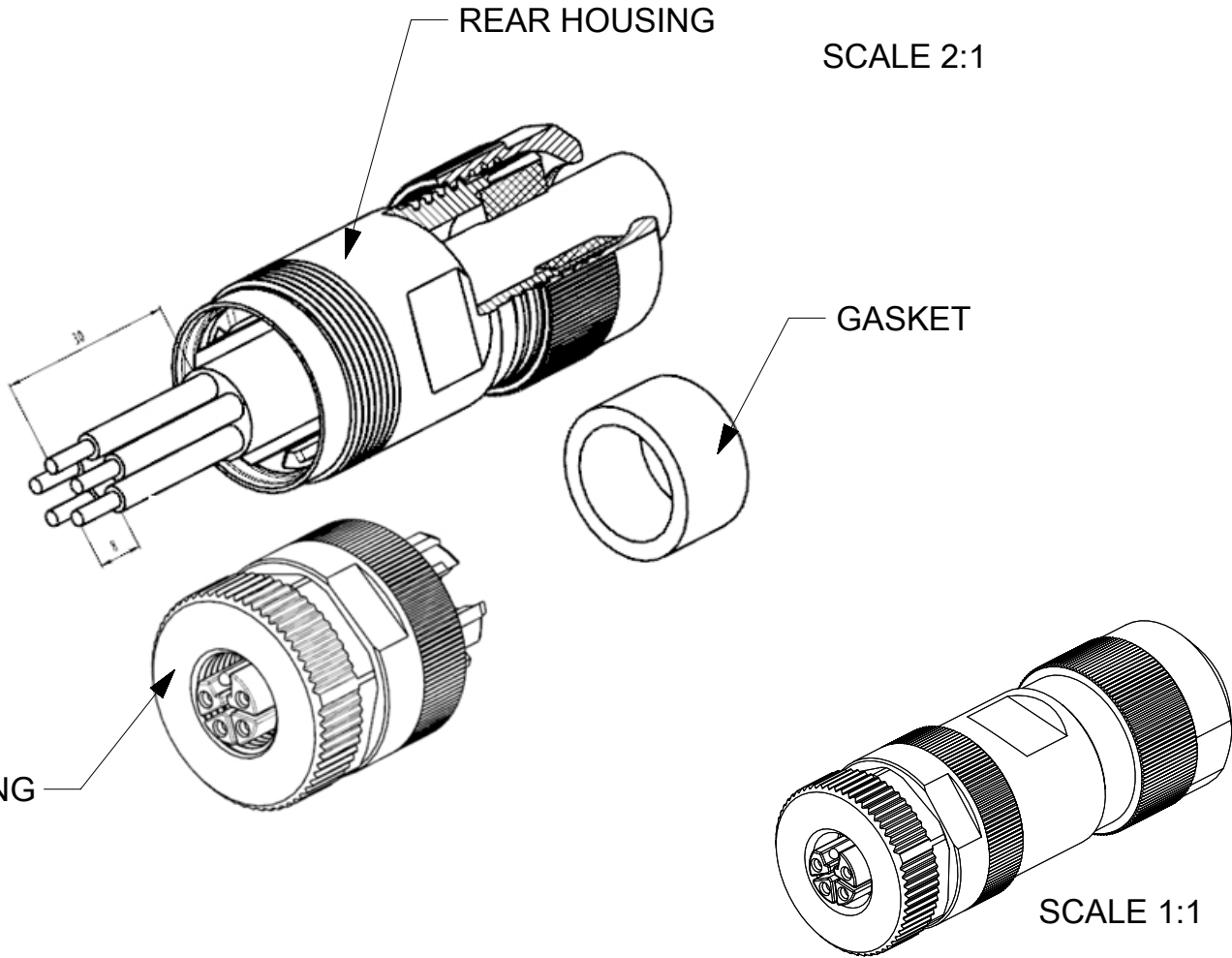
CONNECTOR STYLE	FEMALE CABLE CONNECTOR
CONNECTOR BARRING	SCREW
CONNECTION METHOD	SCREW CLAMP
TERMINAL CROSS-SECTION (mm)	MAX. 1.50 mm ² WITH FERRULE / MAX. 2.50 mm ² WITHOUT FERRULE
TERMINAL CROSS-SECTION (AWG)	16 WITH FERRULE / 14 WITHOUT FERRULE
CABLE OUTER DIAMETER	8.0 - 13.0 mm
UPPER LIMITING CONNECTOR 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)



SCALE 1:1

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		CURRENT REV DESC:			molex		
	mm		2:1							
	GENERAL TOLERANCES (UNLESS SPECIFIED)							FA M12 5P LC FE STR UNSH		
	ANGULAR TOL ± 1.0 °									
4 PLACES ±										
DIVISIONAL SYMBOLS	F _A = 0				EC NO: 765412 DRWN: ARPITT 2023/10/10 CHK'D: RSILLER 2023/10/10 APPR: RSILLER 2023/10/10			PRODUCT CUSTOMER DRAWING		
	F _E = 0									
	F _D = 0									
	3 PLACES ±				DOCUMENT NUMBER 1205030009 DOC TYPE PSD DOC PART 000 REVISION A2					
	2 PLACES ± 0.05									
1 PLACE ± 0.3										
0 PLACES ± 0.5				INITIAL REVISION: DRWN: RSCHEBER 2021/07/12 APPR: RSILLER 2021/08/02			MATERIAL NUMBER 1205030009 CUSTOMER GENERAL MARKET SHEET NUMBER 1 OF 1			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										
THIRD ANGLE PROJECTION										
				DRAWING A3-SIZE		SERIES 120503				