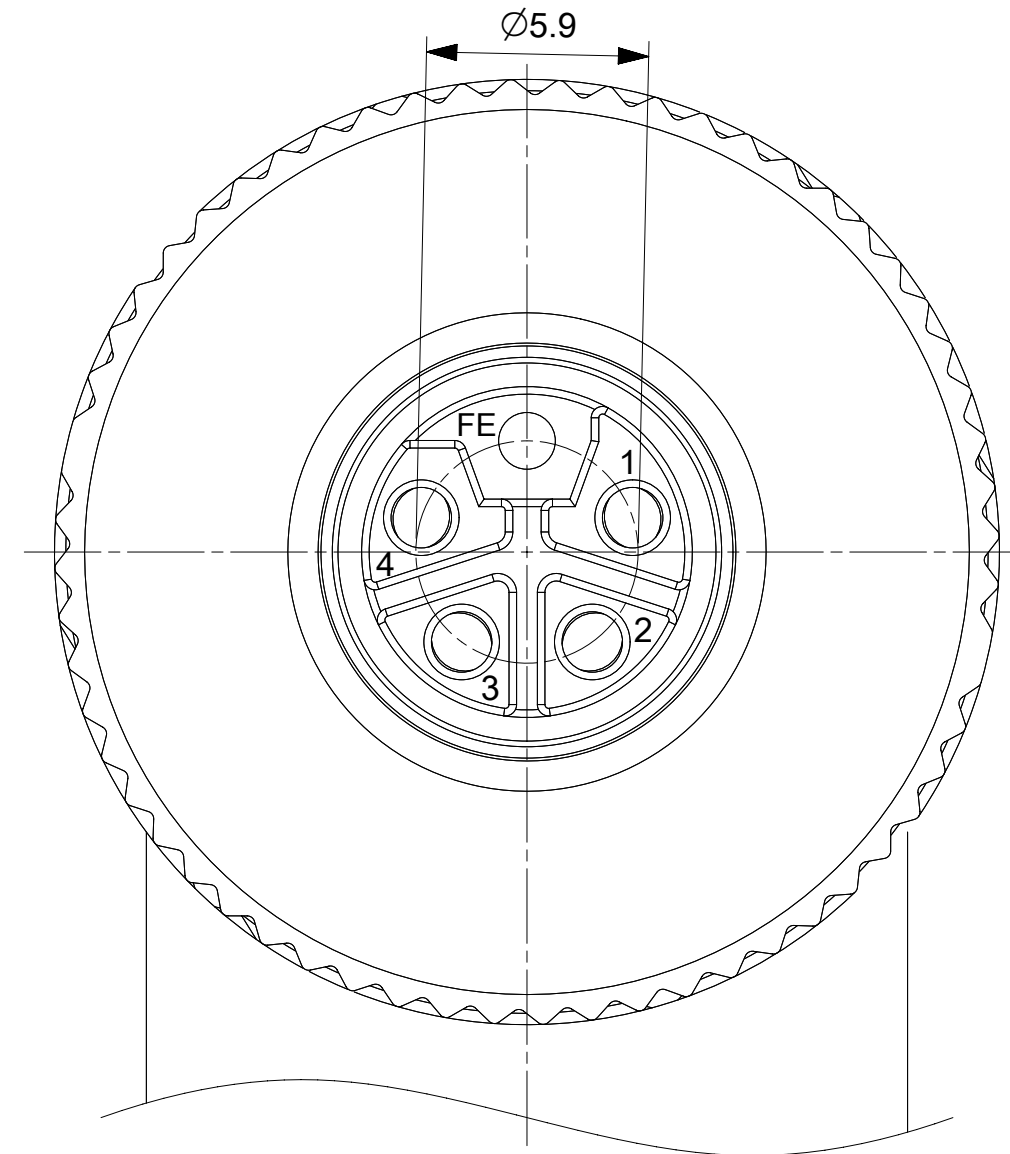
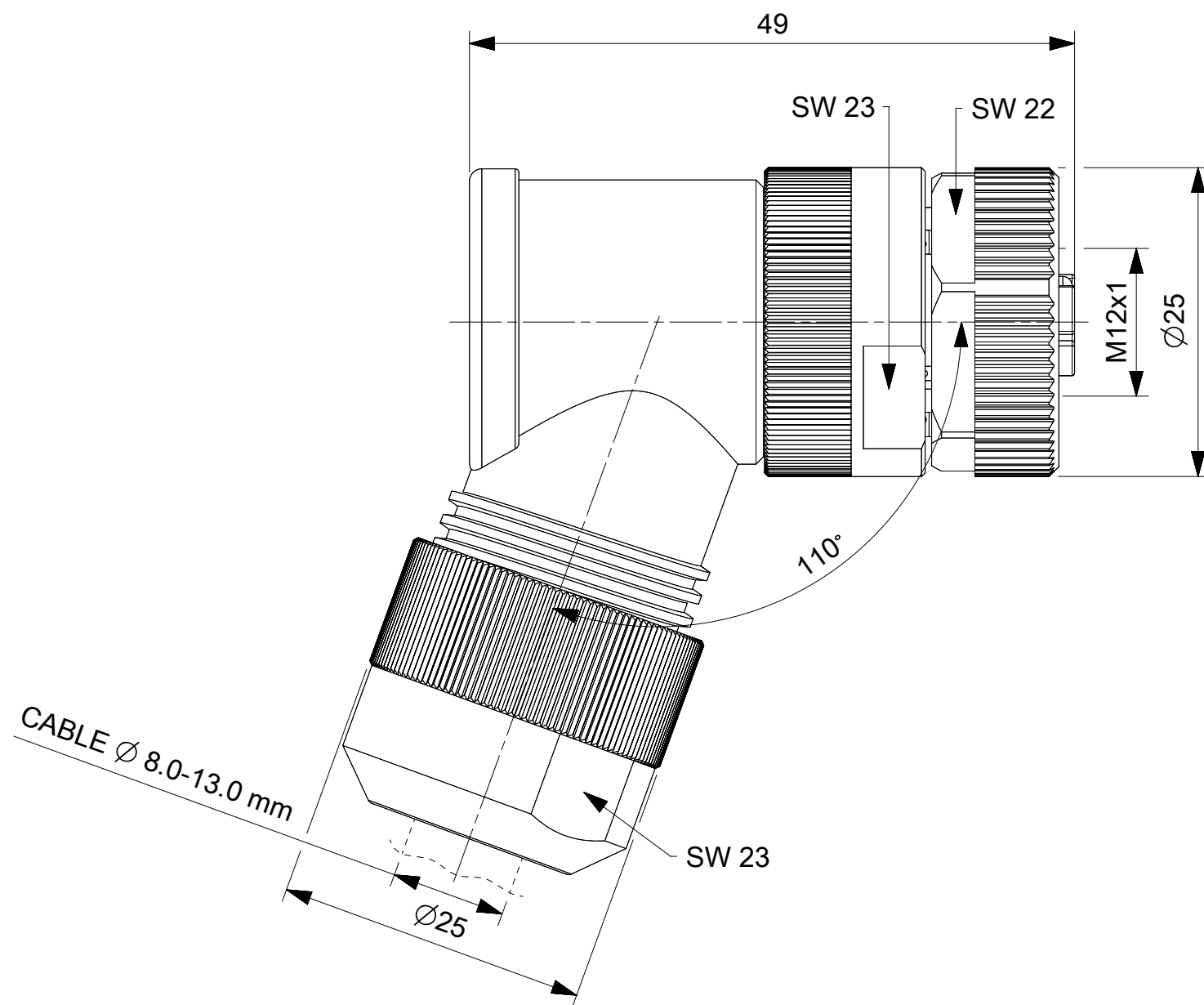




SCALE 5:1

GENERAL CHARACTERISTIC

CONNECTOR STYLE	FEMALE 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

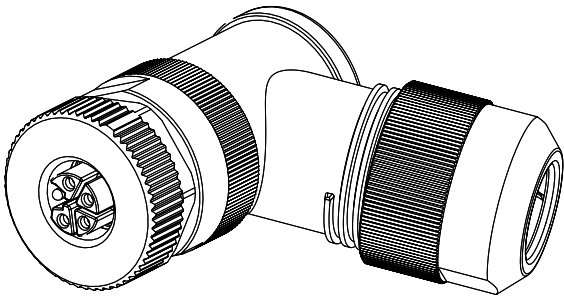
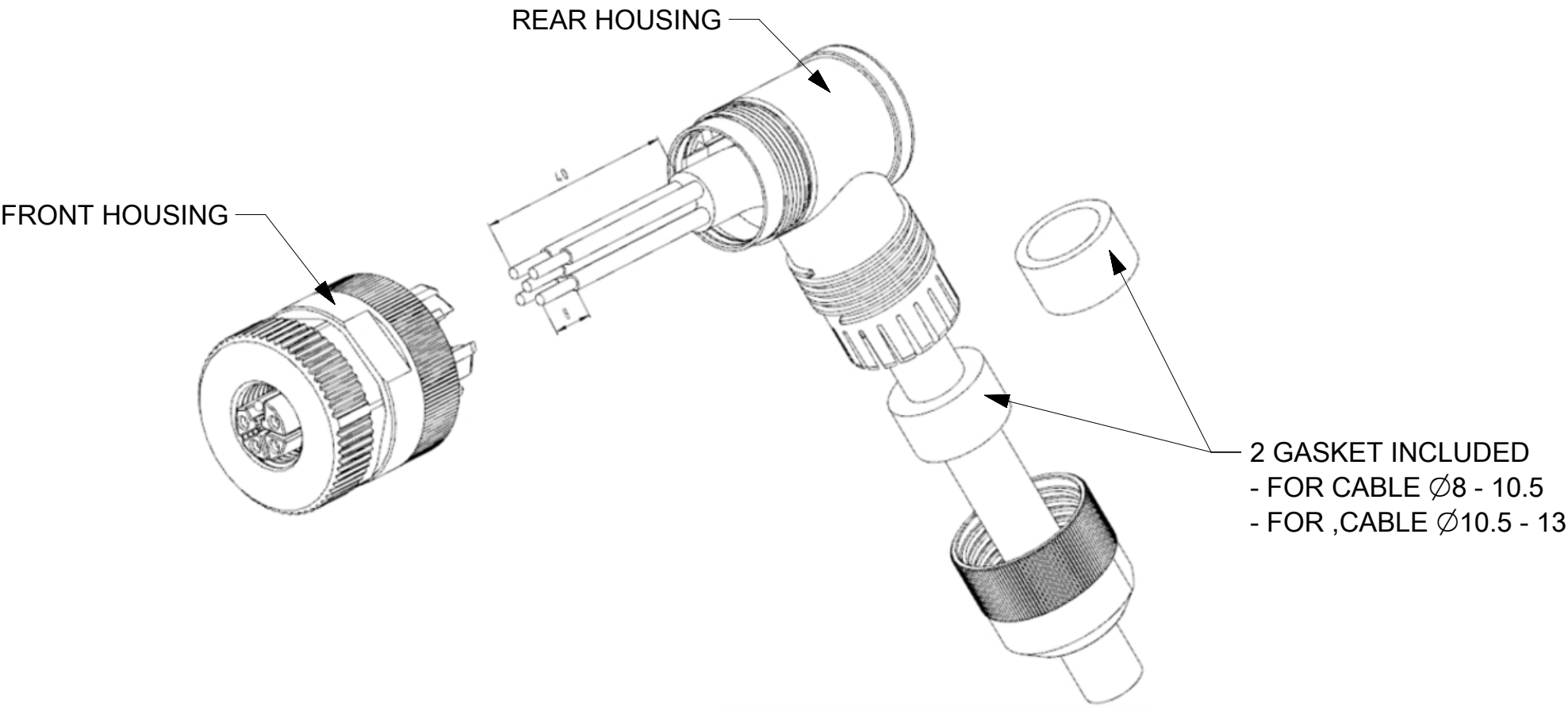
ELECTRICAL CHARACTERISTIC

RATED CURRENT (40°C)	12 A (AT 1.5 mm² / AWG 16) / 16 A (AT 2.5 mm² / 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	CURRENT REV DESC:			molex				
FA= 0	mm	2:1	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							
FE= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)									
FF= 0	ANGULAR TOL ± 1.0 °									
DIVISIONAL SYMBOLS	4 PLACES	±								
	3 PLACES	±								
	2 PLACES	± 0.05								
	1 PLACE	± 0.3								
	0 PLACES	± 0.5				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER
					A3-SIZE	120503	1205030011	GENERAL MARKET		1 OF 2



SCALE 1:1

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	
##### FA = 0 FE = 0 FE = 0 #####	DIMENSION UNITS		SCALE		CURRENT REV DESC:					molex							
	mm		2:1														
	GENERAL TOLERANCES (UNLESS SPECIFIED)									FA M12 5P LC FE ANGLED UNSH							
	ANGULAR TOL ± 1.0 °																
	4 PLACES		±														
	3 PLACES		±														
	2 PLACES		± 0.05		PRODUCT CUSTOMER DRAWING												
	1 PLACE		± 0.3														
	0 PLACES		± 0.5														
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION
						A3-SIZE		120503		1205030011		PSD		000		A2	

molex

FA M12 5P LC FE ANGLED UNSH

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1205030011

DOC TYPE

PSD

DOC PART

000

REVISION

A2