

A technical drawing of a 90° plug, showing its internal structure and color-coded components. The drawing includes labels for various parts:

- GRAY FE**: Points to the top outer ring.
- BROWN 1**: Points to the top inner ring.
- WHITE 2**: Points to the bottom inner ring.
- BLUE 3**: Points to the bottom outer ring.
- BLACK 4**: Points to the central contact area.
- 9**: A large number indicating the total number of components or contacts.

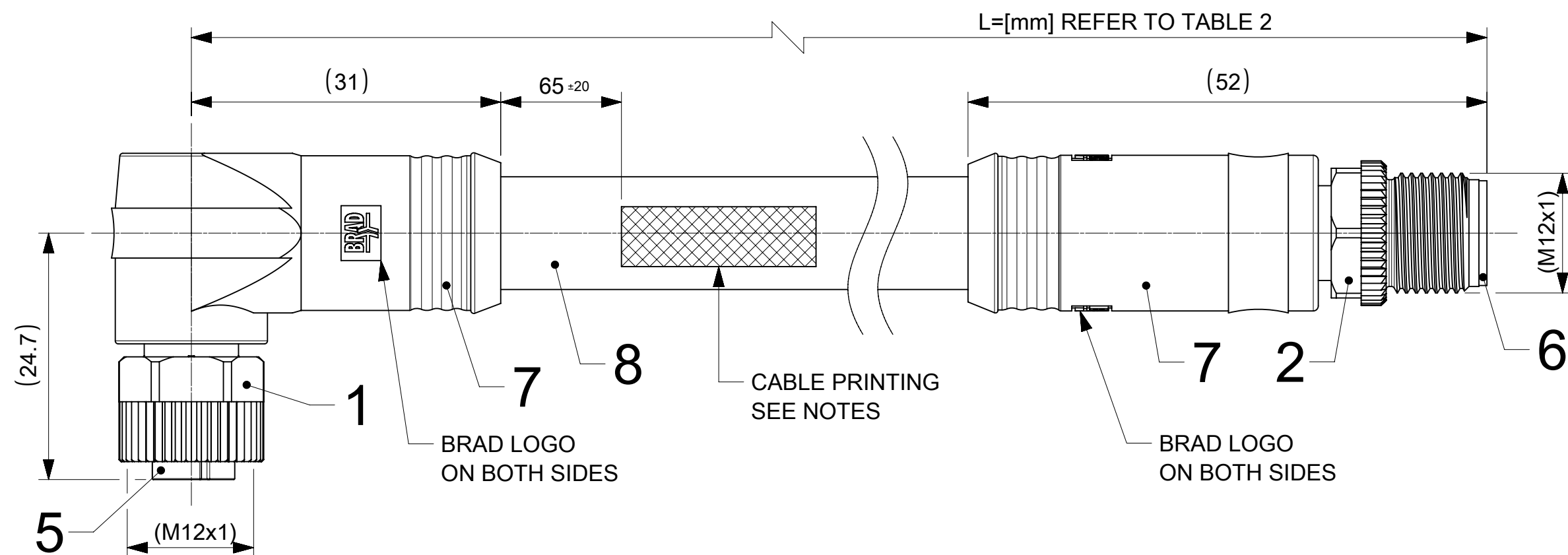
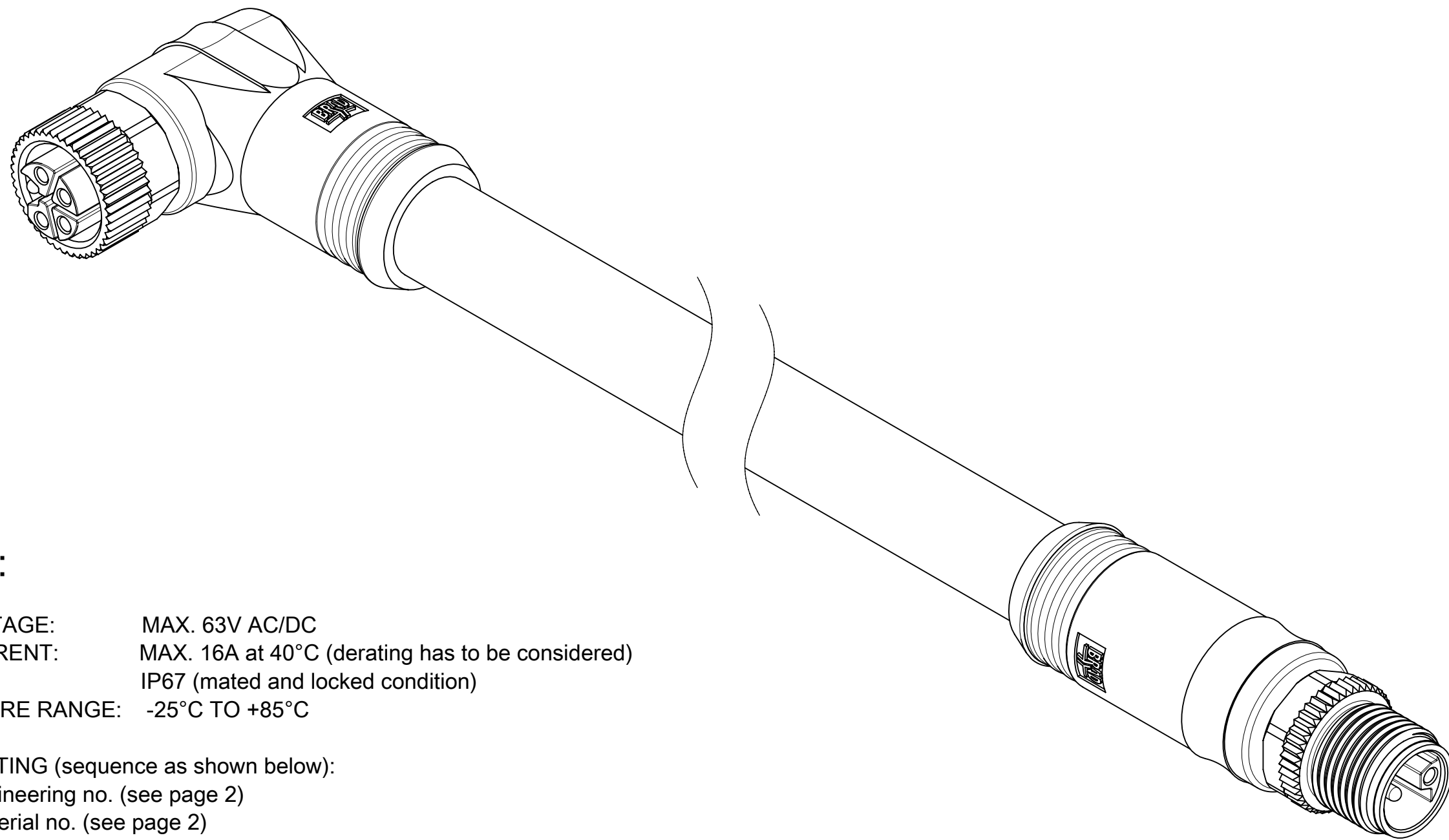


Diagram illustrating the front view of the valve assembly with color-coded labels:

- 4**: GRAY FE
- BROWN 1**
- BLACK 4**
- 3**
- WHITE 2**
- BLUE 3**



RATED VOLTAGE: MAX. 63V AC/DC
 RATED CURRENT: MAX. 16A at 40°C (derating has to be considered)
 IP RATING: IP67 (mated and locked condition)
 TEMPERATURE RANGE: -25°C TO +85°C

- MOLEX engineering no. (see page 2)
- MOLEX material no. (see page 2)
- MOLEX MAX. 63V AC/DC MAX. 16 A USL
- MOLEX AND DATE OF MANUFACTURING (YY=YEAR; WW=WEEK): MXYWW
- Not for current interrupting
- PROFINET 24V Power 4x2,5 + FE

DOCUMENT STATUS	P1	RELEASE DATE	2023/01/19	11:13:40
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POS	DESCRIPTION	MATERIAL	FINISH
1	NUT M12 FE	BRASS	Ni
2	NUT M12 MA	BRASS	Ni
3	CONTACT 15 MA	BRASS	Au
4	CONTACT 15 FE	BRASS	Au
5	INSERT FEMALE	PA	GREY
6	INSERT MALE	PA	GREY
7	OVERMOLD	TPE	BLACK
8	CABLE 5x2.5 D11.3 WSOR	PUR	GREY
9	GASKET OR 8.2X1.25	FKM	BLACK
10	ID CARRIER	-	-

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: UPDATED ATTRIBUTE TO GENERAL MARKET IN ECTR					molex										
	mm		2:1																	
	GENERAL TOLERANCES (UNLESS SPECIFIED)					CSE M12 5P LC FE RA MA STR WSOR GY XM														
	ANGULAR TOL ± 1.0 °																			
	4 PLACES		±		EC NO: 735577					PRODUCT CUSTOMER DRAWING										
	3 PLACES		±		DRWN: MARUTD 2023/01/12															
	2 PLACES		± 0.05		CHK'D: RSILLER 2023/01/19															
	1 PLACE		± 0.3		APPR: RSILLER 2023/01/19															
	0 PLACES		± 0.5		INITIAL REVISION:															
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					THIRD ANGLE PROJECTION					DRAWING									
																SERIES				
DOCUMENT NUMBER					DOC TYPE					DOC PART					REVISION					
1205010108					PSD					000					A1					
MATERIAL NUMBER					CUSTOMER					SHEET NUMBER										
SEE TABLE 2					GENERAL MARKET					1 OF 2										

ENGINEERING NO - NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request).

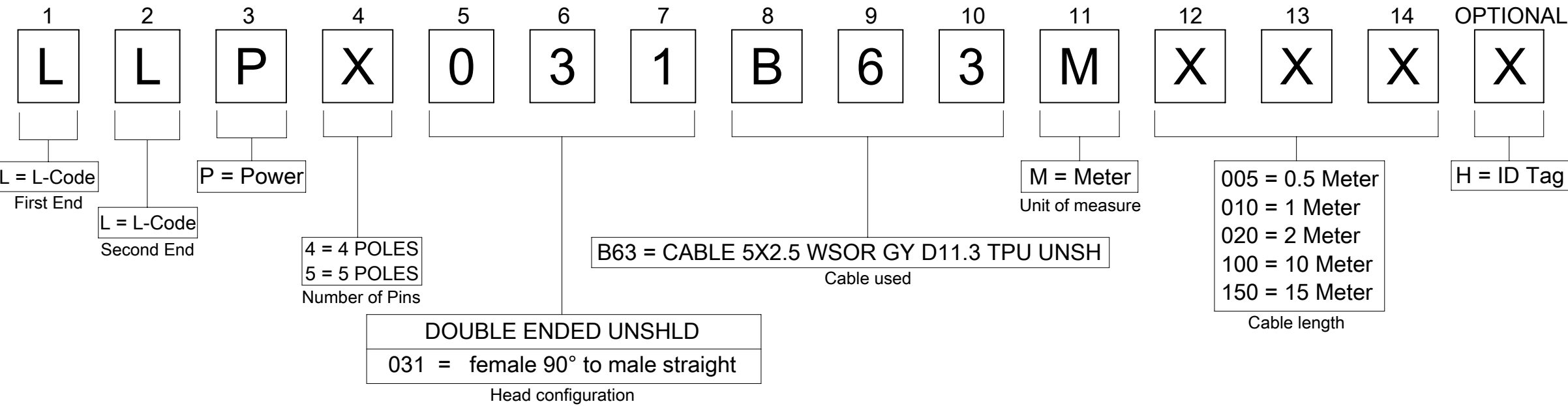


TABLE 2

NOMINAL SECTION 2,5mm²				
MATERIAL NO.	ENGINEERING NO.	L [mm]	TOLERANCE [mm]	
1205010108	LLP5031B63M005	500	+40	
1205010109	LLP5031B63M010	1000	+40	
1205010110	LLP5031B63M020	2000	+60	
1205010111	LLP5031B63M030	3000	+60	
1205010112	LLP5031B63M050	5000	+60	
1205010113	LLP5031B63M100	10000	+80	
1205010114	LLP5031B63M150	15000	+140	
1205010115	LLP5031B63M200	20000	+140	
DOCUMENT STATUS	P1	RELEASE DATE	2023/01/19	11:13:40

FUNCTIONAL SYMBOLS

FA

=

0

FE

=

0

FE

=

0

DIVISIONAL SYMBOLS

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DIMENSION UNITS

SCALE

CURRENT REV DESC: UPDATED ATTRIBUTE TO GENERAL MARKET IN ECTR

mm

1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

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

EC NO: 735577

DRWN: MARUTD

CHK'D: RSILLER

APPR: RSILLER

INITIAL REVISION:

DRWN: FDAFERNER

APPR: RSILLER

2023/01/12

2023/01/19

2023/01/19

2020/01/30

2021/03/15

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

1205010108

PSD

000

A1

A3-SIZE

120501

SEE TABLE 2

GENERAL MARKET

2 OF 2

molex

CSE M12 5P LC FE RA MA STR WSOR GY XM

PRODUCT CUSTOMER DRAWING