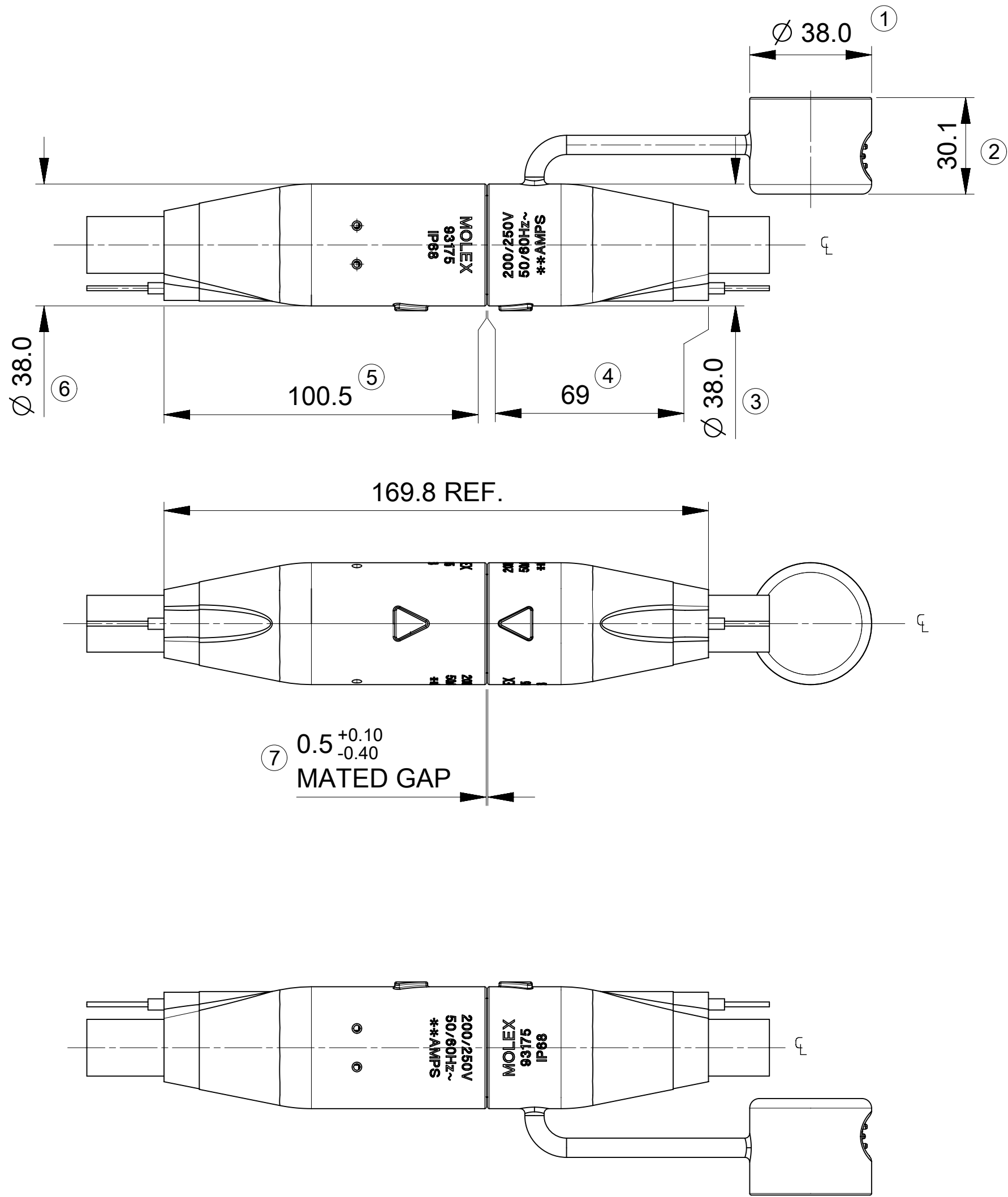
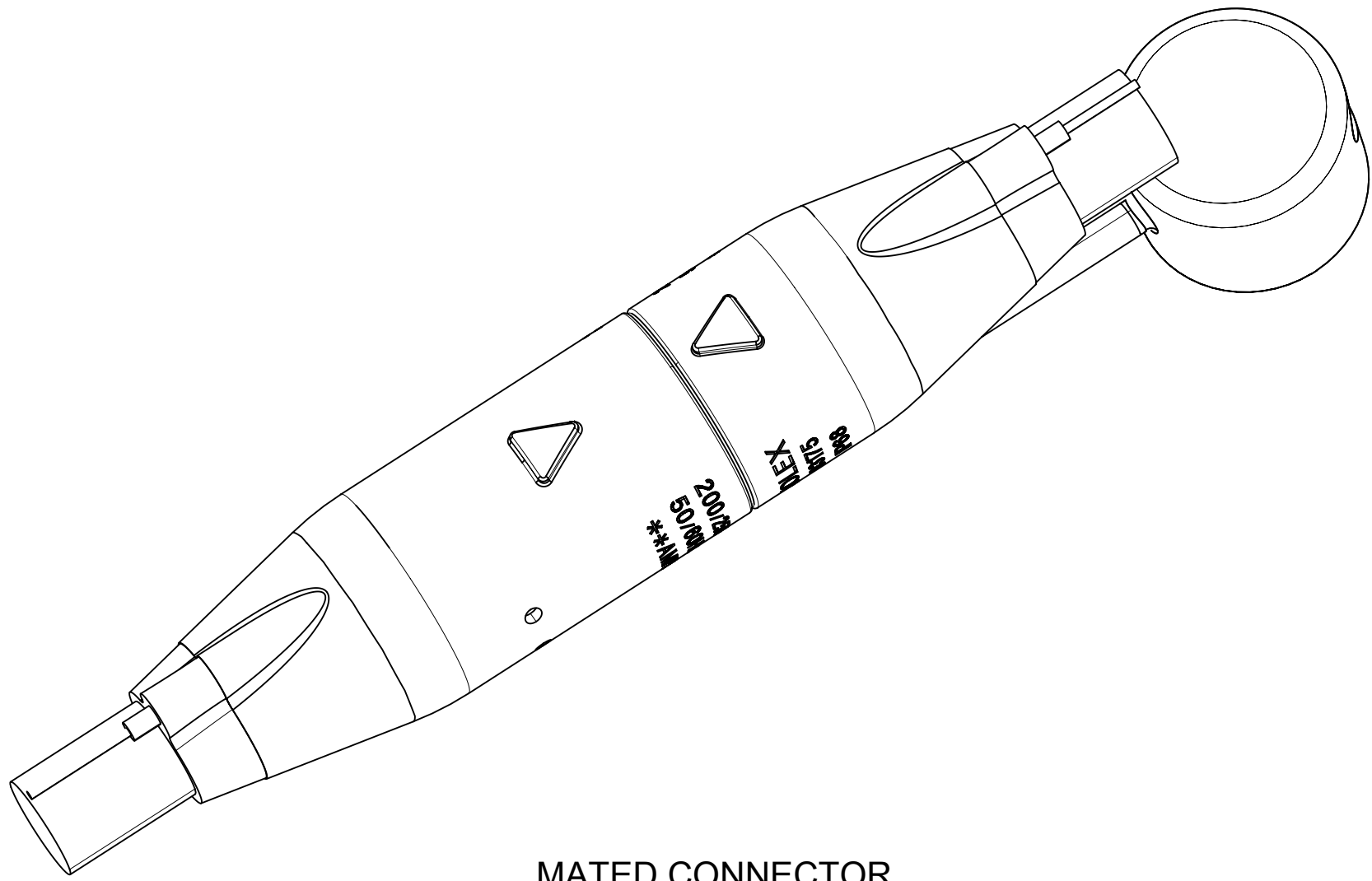
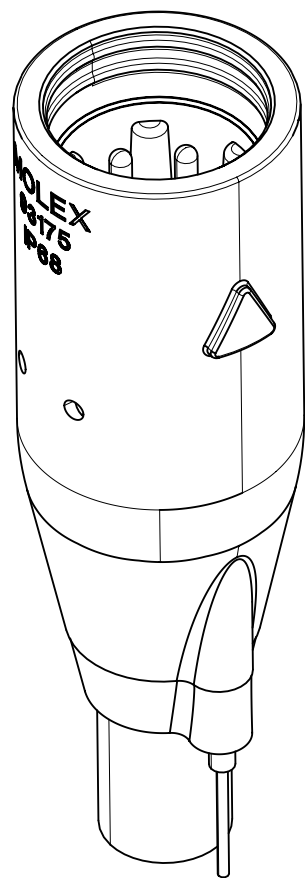




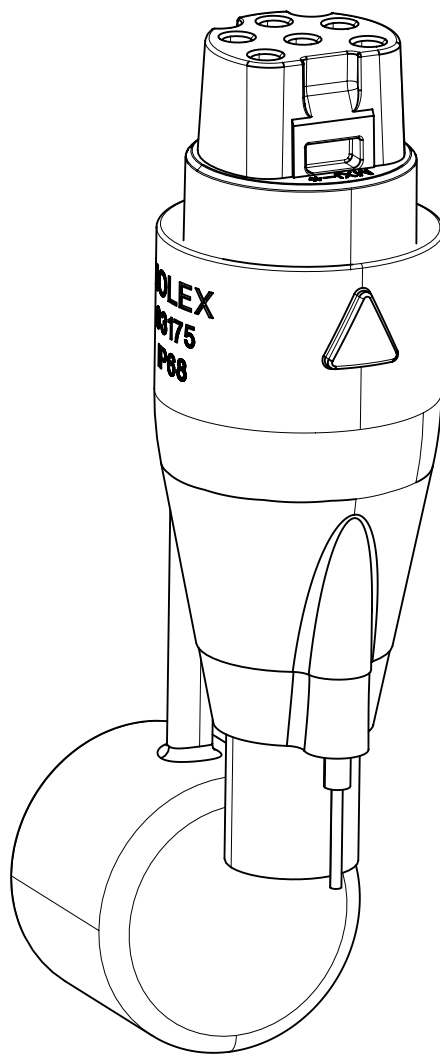
CABLE LENGTH	TOLERANCE
1 - 2 M	±65mm
2 - 5 M	±100mm
5 - 10 M	±200mm
10 - 20 M	±400mm
20 - 30 M	±600mm
30 M PLUS	+2% OF LENGTH



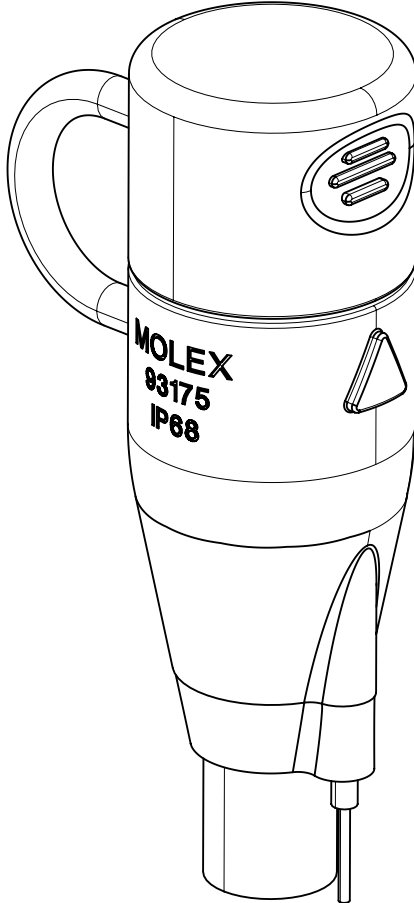
MATED CONNECTOR



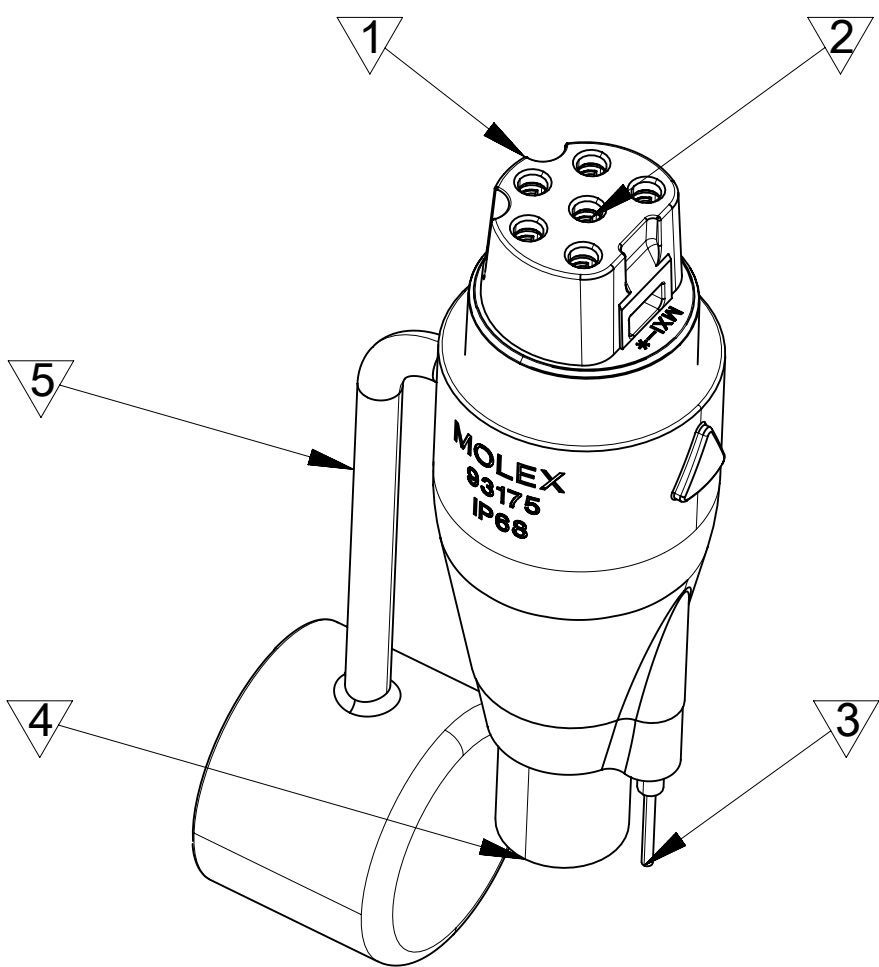
MALE CONNECTOR



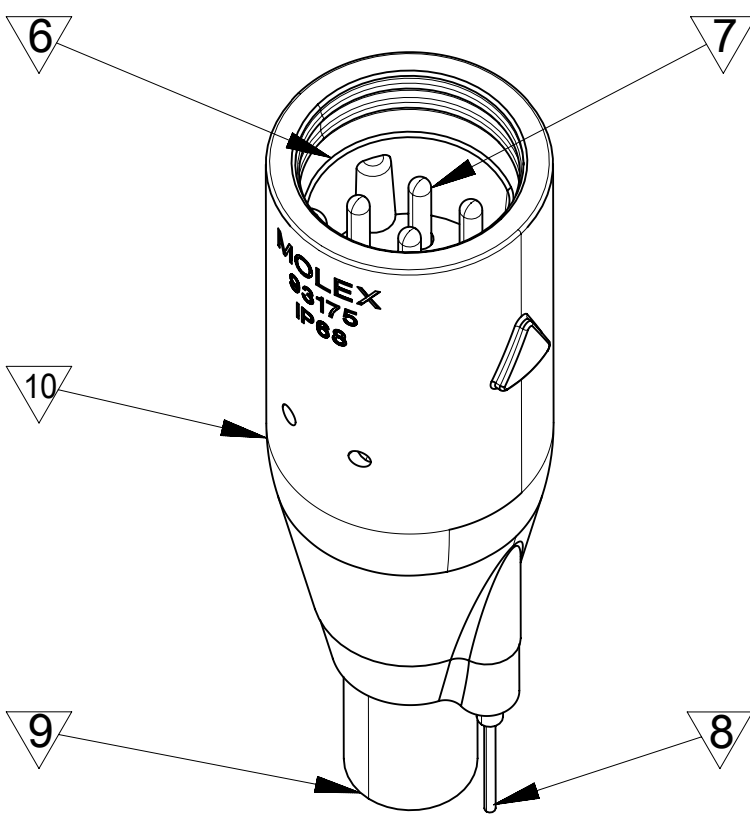
FEMALE CONNECTOR
CAP OPEN



FEMALE CONNECTOR
CAP CLOSED



FEMALE CONNECTOR BOM		
No	DESCRIPTION	MATERIAL
1	FEMALE MAIN BODY	PU
2	FEMALE TERMINAL	COPPER ALLOY
3	TETHER	BRAIDED STAINLESS STEEL
4	CABLE	SEE CABLE SPEC
5	FEMALE OVERMOLD	PU

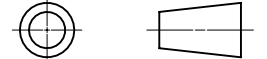


MALE CONNECTOR BOM		
No	DESCRIPTION	MATERIAL
6	MALE MAIN BODY	PU
7	MALE TERMINAL	COPPER ALLOY
8	TETHER	BRAIDED STAINLESS STEEL
9	CABLE	SEE CABLE SPEC
10	MALE OVERMOLD	PU

NOTES:

1. MATERIAL: SEE TABLES
 2. FOR PRODUCT SPECIFICATION PLEASE SEE PS-93175-001
 3. FOR PACKAGING SPECIFICATION PLEASE SEE PK-93175-001
 4. EXTERNAL SURFACE FINISH OF THE CONNECTOR TO BE 23 VDI
 5. 6 CIRCUIT VERSION SHOWN IN ALL VIEWS,
FOR ALL OTHER CIRCUIT LAYOUTS PLEASE SEE PRODUCT SPEC
 6. ALL UNSPECIFIED TOLERANCES +/- 5 mm
 7. FOR CABLE LENGTH TOLERANCES PLEASE SEE TABLE
- INSPECTION NUMBERS 1-9 USED
LAST INSPECTION NUMBER USED 7

PART No LEGEND		
PART NO	DESCRIPTION	NOTE
931751***	MALE ARMoured	3 TO 6 CKT
931752***	MALE UN-ARMoured	3 TO 6 CKT
931753***	FEMALE ARMoured	3 TO 6 CKT
931754***	FEMALE UN-ARMoured	3 TO 6 CKT
931755***	MALE ARMoured	16 CKT
931756***	FEMALE ARMoured	16 CKT

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: OBSOLETE PART NUMBER						
mm		1:1.3333		molex PASSIVE SAFETY CONNECTOR ARMOURED & UN-ARMOURED						
GENERAL TOLERANCES (UNLESS SPECIFIED)										
	MM		INCH							
4 PLACES	±		±							
3 PLACES	±		±							
2 PLACES	±	0.5	±	EC NO: 643720						
1 PLACE	±	1.0	±	DRWN: AKUMAR19 2020/07/02						
0 PLACES	±	5.0	±	CHK'D: GGA 2020/08/27						
ANGULAR TOL ± 2.0 °				APPR: GGA 2020/08/27						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				INITIAL REVISION:						
				DRWN: D MAHER 2008/10/30						
THIRD ANGLE PROJECTION 				APPR: EFOLAN 2010/10/21						
				DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE
A1-SIZE		93175		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
				SEE TABLE		GENERAL MARKET		1 OF 5		

molex

PASSIVE SAFETY CONNECTOR
ARMoured & UN-ARMoured

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-93175-001	PSD	001	T

PART NUMBER	DIM B	DIM C	DESCRIPTION
931751001	1000	1000	MALE CONNECTOR ARMoured 3 CKT
931751002	2000	2000	MALE CONNECTOR ARMoured 3 CKT
931751004	5000	5000	MALE CONNECTOR ARMoured 3 CKT
931751005	10000	10000	MALE CONNECTOR ARMoured 3 CKT
931751006	15000	10000	MALE CONNECTOR ARMoured 3 CKT

PART NUMBER	DIM B	DIM C	DESCRIPTION
931751101	1000	1000	MALE CONNECTOR ARMoured 4 CKT
931751102	2000	2000	MALE CONNECTOR ARMoured 4 CKT
931751103	3000	3000	MALE CONNECTOR ARMoured 4 CKT
931751104	5000	5000	MALE CONNECTOR ARMoured 4 CKT
931751105	10000	10000	MALE CONNECTOR ARMoured 4 CKT
931751106	15000	10000	MALE CONNECTOR ARMoured 4 CKT

PART NUMBER	DIM B	DIM C	DESCRIPTION
931751201	1000	1000	MALE CONNECTOR ARMoured 5 CKT
931751202	2000	2000	MALE CONNECTOR ARMoured 5 CKT
931751203	3000	3000	MALE CONNECTOR ARMoured 5 CKT
931751204	5000	5000	MALE CONNECTOR ARMoured 5 CKT
931751205	10000	10000	MALE CONNECTOR ARMoured 5 CKT
931751206	15000	10000	MALE CONNECTOR ARMoured 5 CKT

PART NUMBER	DIM B	DIM C	DESCRIPTION
931751301	1000	1000	MALE CONNECTOR ARMoured 6 CKT
931751302	2000	2000	MALE CONNECTOR ARMoured 6 CKT
931751303	3000	3000	MALE CONNECTOR ARMoured 6 CKT
931751304	5000	5000	MALE CONNECTOR ARMoured 6 CKT
931751305	10000	10000	MALE CONNECTOR ARMoured 6 CKT
931751306	15000	10000	MALE CONNECTOR ARMoured 6 CKT

ARMoured	
CABLE DIA DIM A	CKT
11.00	3
12.60	4
13.60	5
14.70	6

PART NUMBER	DIM B	DIM C	DESCRIPTION
931752001	1000	1000	MALE CONNECTOR UNARMoured 3 CKT
931752002	2000	2000	MALE CONNECTOR UNARMoured 3 CKT
931752003	3000	3000	MALE CONNECTOR UNARMoured 3 CKT
931752004	5000	5000	MALE CONNECTOR UNARMoured 3 CKT
931752005	10000	10000	MALE CONNECTOR UNARMoured 3 CKT
931752006	15000	10000	MALE CONNECTOR UNARMoured 3 CKT

PART NUMBER	DIM B	DIM C	DESCRIPTION
931752101	1000	1000	MALE CONNECTOR UNARMoured 4 CKT
931752102	2000	2000	MALE CONNECTOR UNARMoured 4 CKT
931752103	3000	3000	MALE CONNECTOR UNARMoured 4 CKT
931752104	5000	5000	MALE CONNECTOR UNARMoured 4 CKT
931752105	10000	10000	MALE CONNECTOR UNARMoured 4 CKT
931752106	15000	10000	MALE CONNECTOR UNARMoured 4 CKT

PART NUMBER	DIM B	DIM C	DESCRIPTION
931752201	1000	1000	MALE CONNECTOR UNARMoured 5 CKT
931752202	2000	2000	MALE CONNECTOR UNARMoured 5 CKT
931752203	3000	3000	MALE CONNECTOR UNARMoured 5 CKT
931752204	5000	5000	MALE CONNECTOR UNARMoured 5 CKT
931752205	10000	10000	MALE CONNECTOR UNARMoured 5 CKT
931752206	15000	10000	MALE CONNECTOR UNARMoured 5 CKT

PART NUMBER	DIM B	DIM C	DESCRIPTION
931752301	1000	1000	MALE CONNECTOR UNARMoured 6 CKT
931752302	2000	2000	MALE CONNECTOR UNARMoured 6 CKT
931752303	3000	3000	MALE CONNECTOR UNARMoured 6 CKT
931752304	5000	5000	MALE CONNECTOR UNARMoured 6 CKT
931752305	10000	10000	MALE CONNECTOR UNARMoured 6 CKT
931752306	15000	10000	MALE CONNECTOR UNARMoured 6 CKT

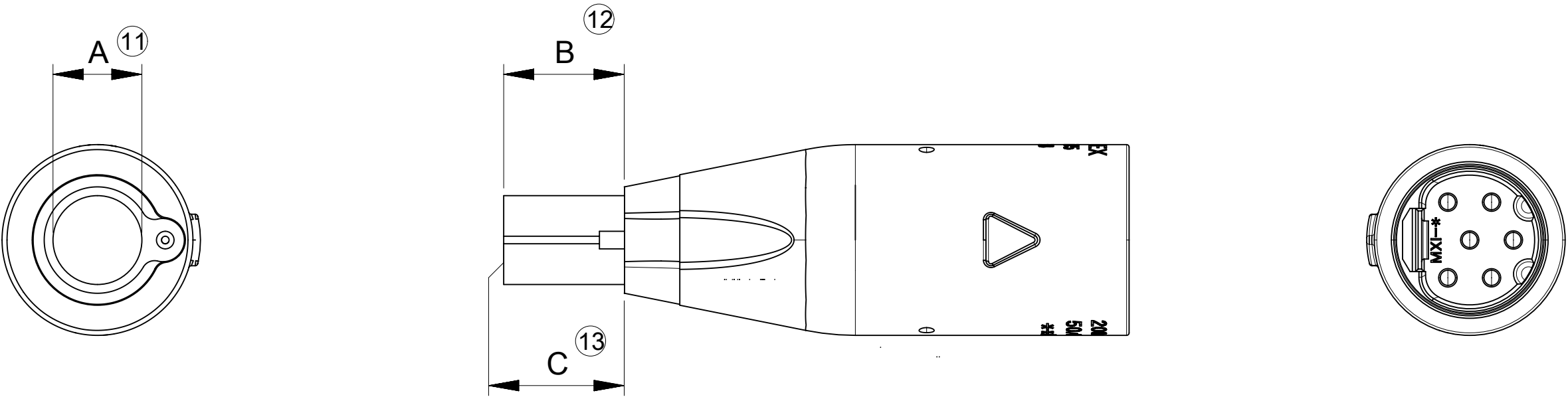
UNARMoured	
CABLE DIA DIM A	CKT
TBD	3
TBD	4
TBD	5
TBD	6

NOTE

1. CABLE COLOR BLACK

INSPECTION NUMBERS 10 TO 19 USED

LAST INSPECTION NUMBER USED 13



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DIMENSION UNITS

mm

SCALE

1:1

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	± 0.5	±
1 PLACE	± 1.0	±
0 PLACES	± 5.0	±
ANGULAR TOL	± 2.0 °	

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

A1-SIZE

SERIES

93175

CURRENT REV DESC: OBSOLETE PART NUMBER

EC NO: 643720

DRWN: AKUMAR19

CHK'D: GGA

APPR: GGA

2020/07/02

2020/08/27

2020/08/27

INITIAL REVISION:

DRWN: D MAHER

APPR: EFOLAN

2008/10/30

2010/10/21

DOCUMENT NUMBER

SD-93175-001

DOC TYPE

PSD

DOC PART

001

REVISION

T

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

SHEET NUMBER

2 OF 5

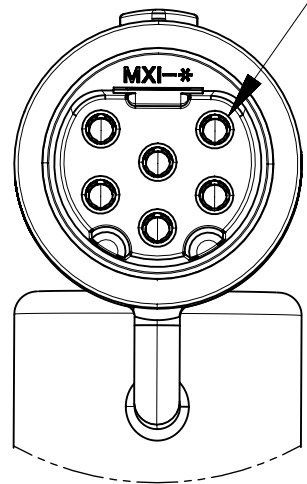
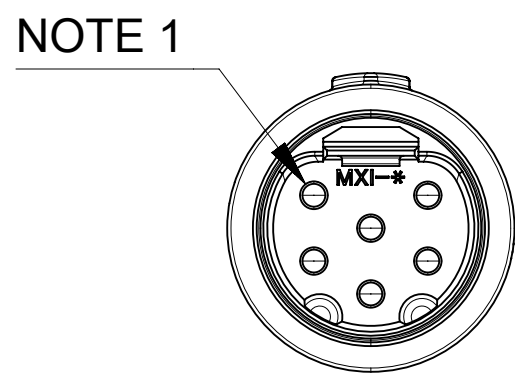
DOCUMENT STATUS

P1

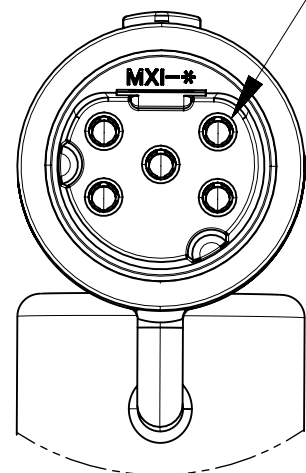
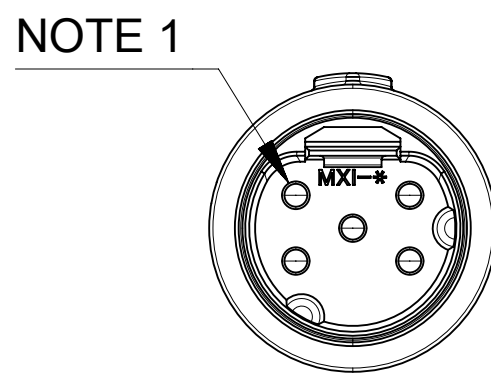
RELEASE DATE

2020/08/27

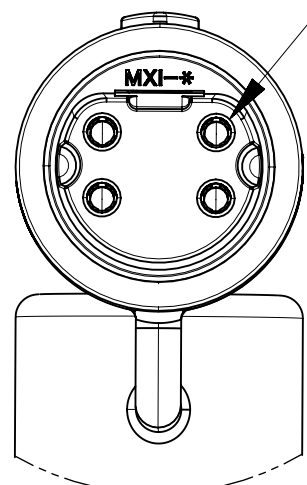
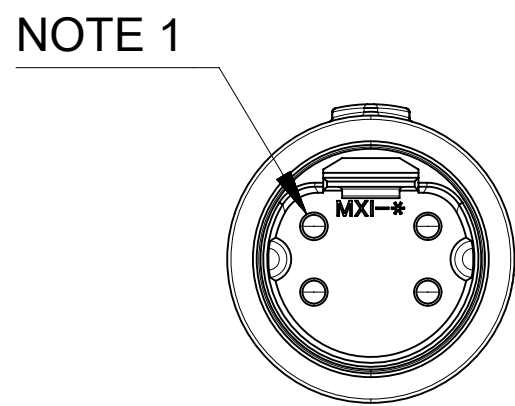
10:27:31



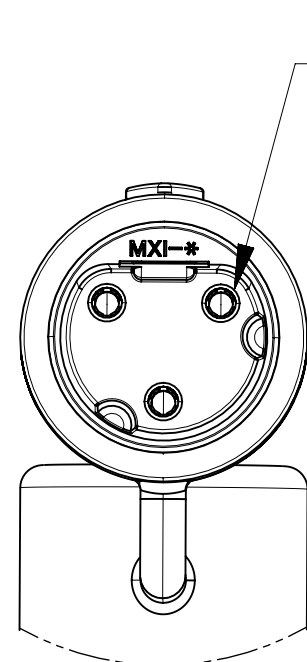
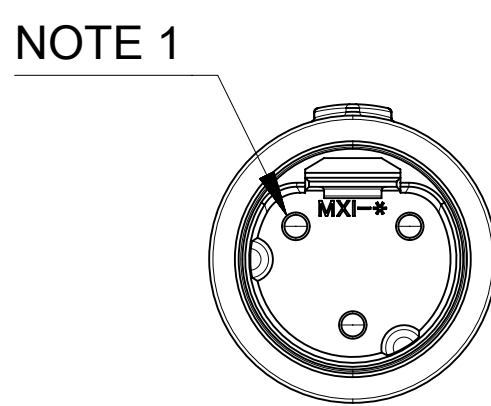
VIEW SHOWING KEYING
OF 6 CIRCUIT VERSION



VIEW SHOWING KEYING
OF 5 CIRCUIT VERSION



VIEW SHOWING KEYING
OF 4 CIRCUIT VERSION



VIEW SHOWING KEYING
OF 3 CIRCUIT VERSION

NOTES:

1. EARTH POSITION

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE	
mm	1:1	
GENERAL TOLERANCES (UNLESS SPECIFIED)		
	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	± 0.5	±
1 PLACE	± 1.0	±
0 PLACES	± 5.0	±
ANGULAR TOL	± 2.0 °	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

CURRENT REV DESC: OBSOLETE PART NUMBER

EC NO: 643720
DRWN: AKUMAR19
CHK'D: GGA
APPR: GGA

INITIAL REVISION:
DRWN: D MAHER
APPR: EFOLAN

THIRD ANGLE PROJECTION

2020/07/02
2020/08/27
2020/08/27

2008/10/30
2010/10/21

SERIES
93175

DRAWING
A1-SIZE

molex

PASSIVE SAFETY CONNECTOR
ARMOURED & UN-ARMOURED

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

SD-93175-001

DOC TYPE

PSD

DOC PART

001

REVISION

T

MATERIAL NUMBER

SEE TABLE

CUSTOMER

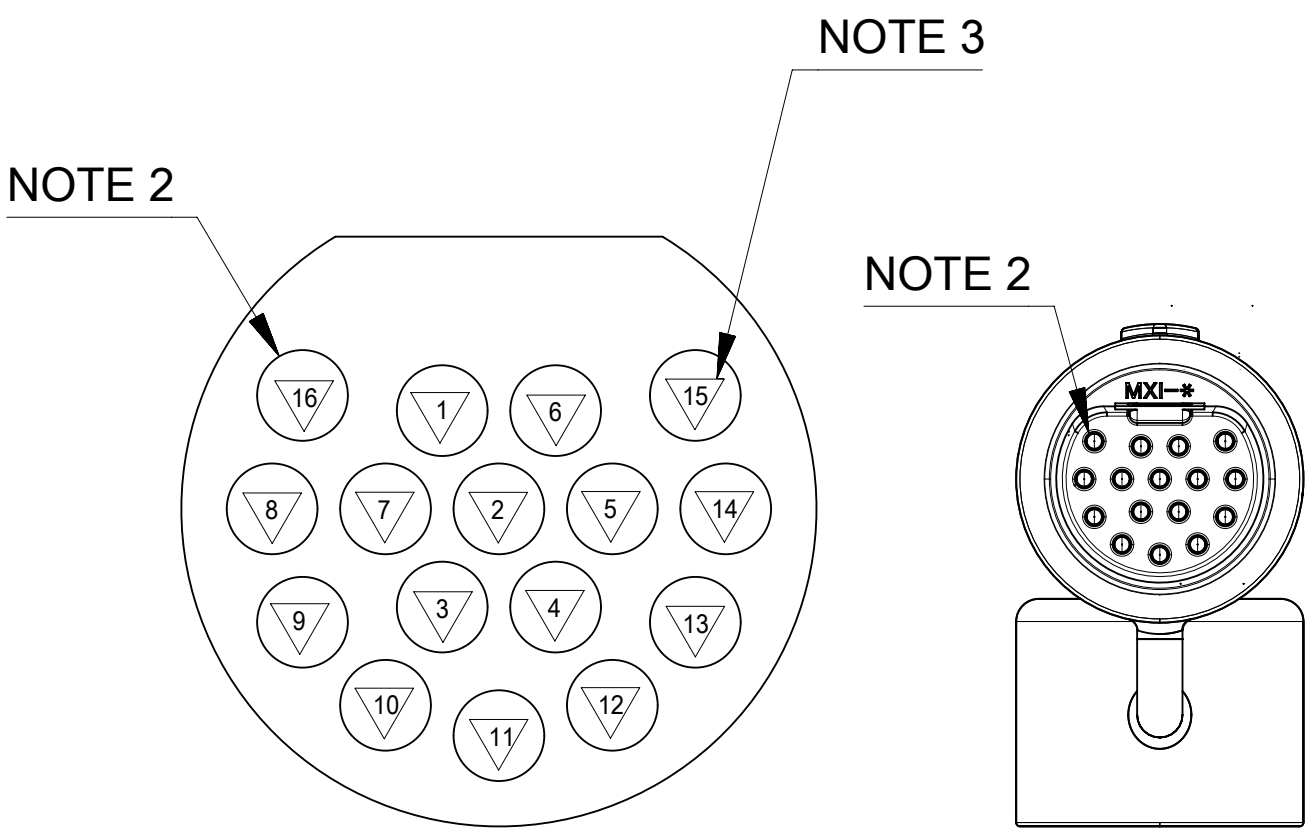
GENERAL MARKET

SHEET NUMBER

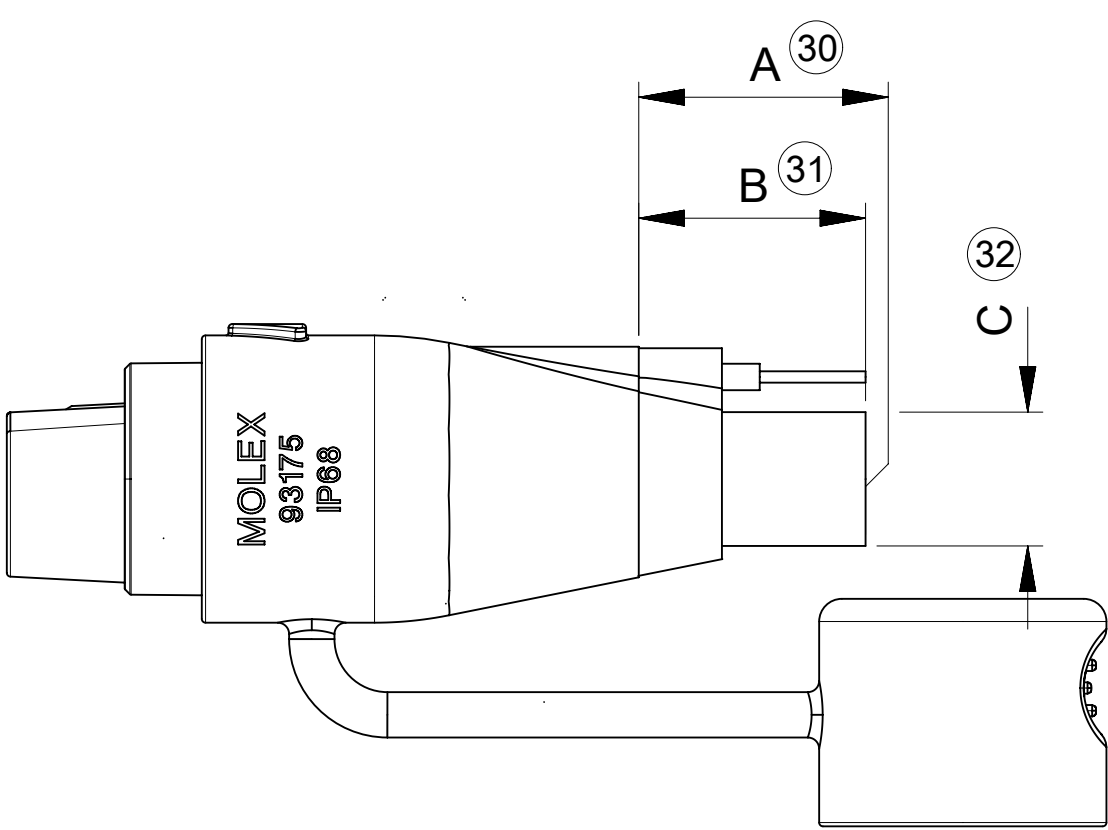
4 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2020/08/27	10:27:31
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PIN	COLOR	COLOR
1	WHITE/ORANGE	WH/OG
2	BROWN	BN
3	BLUE	BU
4	WHITE	WH
5	RED	RD
6	BROWN/BLUE	BN/BU
7	BLACK	BK
8	BROWN/GRAY	BN/GY
9	ORANGE/GRAY	OG/GY
10	RED/BLUE	RD/BU
11	ORANGE	OG
12	GRAY	GY
13	VIOLET	VT
14	PINK	PK
15	RED/GRAY	RD/GY
16(GND)	BLACK/VIOLET+SHIELD	BK/VT+SHIELD



16 CIRCUIT WIRE LAYOUT
CONNECTOR FRONT VIEW

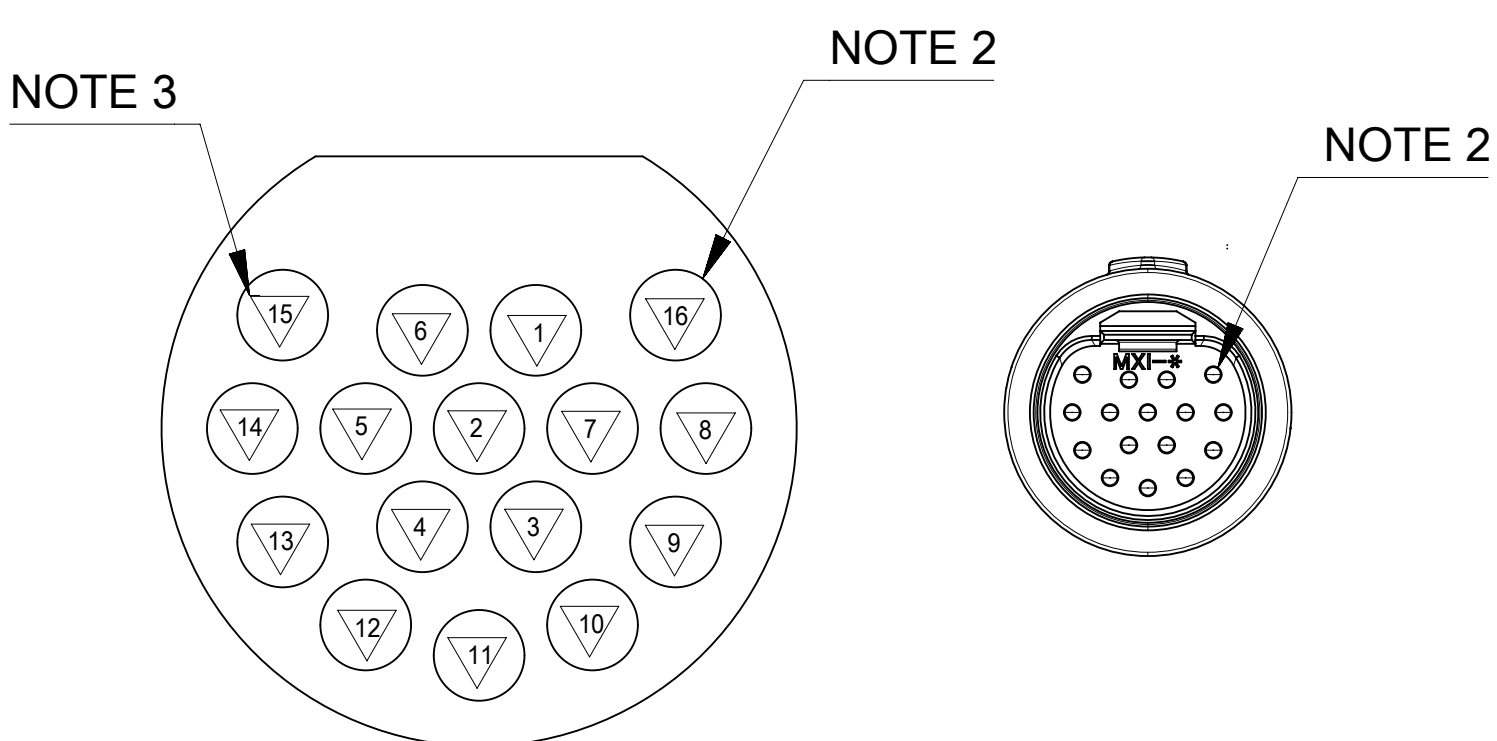


FEMALE POLE PLUG CONNECTOR
16 CIRCUIT

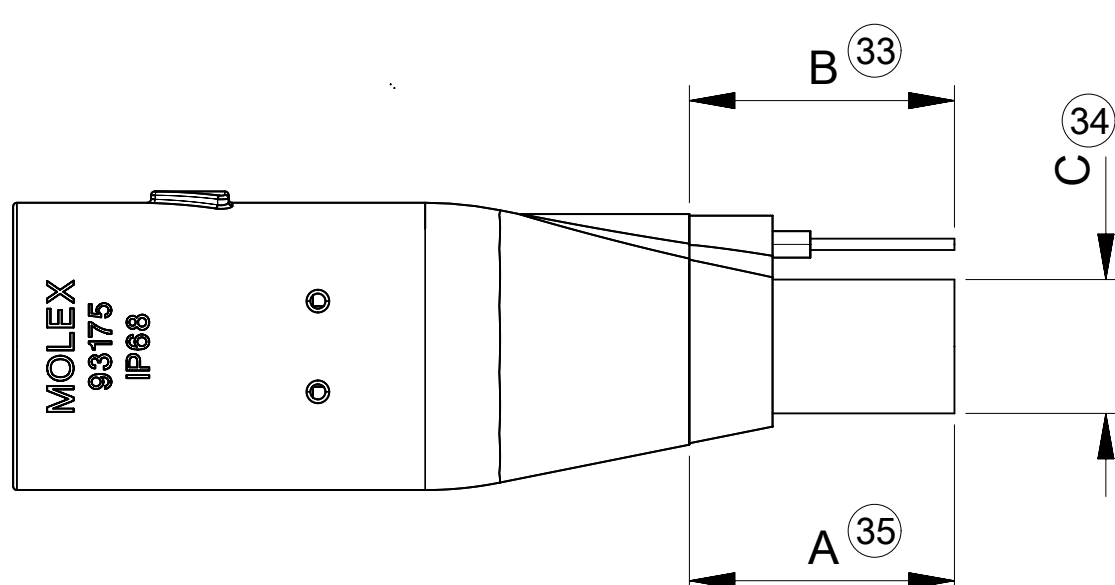
STANDARD PRODUCT				
PART NUMBER	DIM A	DIM B	DIM C	DESCRIPTION
931756001	1000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756002	2000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756003	3000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756026	4000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756004	5000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756005	10000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756013	15000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756006	20000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756014	25000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756007	30000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756015	35000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756016	40000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756017	45000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756018	50000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756019	5000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756008	10000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756020	15000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756009	20000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756021	25000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756010	30000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756022	35000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756023	40000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756024	45000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756025	50000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE

SPECIAL BUILD				
PART NUMBER	DIM A	DIM B	DIM C	DESCRIPTION
931756011	31000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931756012	38000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE

PIN	COLOR	COLOR
1	WHITE/ORANGE	WH/OG
2	BROWN	BN
3	BLUE	BU
4	WHITE	WH
5	RED	RD
6	BROWN/BLUE	BN/BU
7	BLACK	BK
8	BROWN/GRAY	BN/GY
9	ORANGE/GRAY	OG/GY
10	RED/BLUE	RD/BU
11	ORANGE	OG
12	GRAY	GY
13	VIOLET	VT
14	PINK	PK
15	RED/GRAY	RD/GY
16(GND)	BLACK/VIOLET+SHIELD	BK/VT+SHIELD



16 CIRCUIT WIRE LAYOUT
CONNECTOR FRONT VIEW



MALE POLE PLUG CONNECTOR
16 CIRCUIT

PART NUMBER	DIM A	DIM B	DIM C	DESCRIPTION
931755001	1000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755002	2000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755003	3000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755009	4000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755004	5000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755008	6000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755005	10000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755006	15000	75	17.7	BLACK ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755010	1000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755011	2000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755012	3000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755013	4000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755007	5000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755014	10000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE
931755015	15000	75	17.7	RED ARMoured 16 CKT CONNECTOR ORANGE CABLE

NOTES:

1. FOR ALL OTHER DIMENSIONS AND SPECIFICATIONS PLEASE SEE SHEET 1
2. EARTH POSITION
3.  NUMBERED WIRE POSITION

INSPECTION NUMBERS 30 TO 39 USED
LAST INSPECTION NUMBER USED 35

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DIMENSION UNITS	SCALE	CURRENT REV DESC: OBSOLETE PART NUMBER	
mm	1:1		
GENERAL TOLERANCES (UNLESS SPECIFIED)			
	MM	INCH	
4 PLACES	±	±	
3 PLACES	±	±	
2 PLACES	± 0.5	±	
1 PLACE	± 1.0	±	
0 PLACES	± 5.0	±	
ANGULAR TOL	± 2.0 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES
		A1-SIZE	93175

EC NO: 643720
DRWN: AKUMAR19
CHK'D: GGA
APPR: GGA

2020/07/02
2020/08/27
2020/08/27

INITIAL REVISION:
DRWN: D MAHER
APPR: EFOLAN

2008/10/30
2010/10/21



PASSIVE SAFETY CONNECTOR
ARMoured & UN-ARMoured

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-93175-001	PSD	001	T
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
SEE TABLE	GENERAL MARKET	5 OF 5	