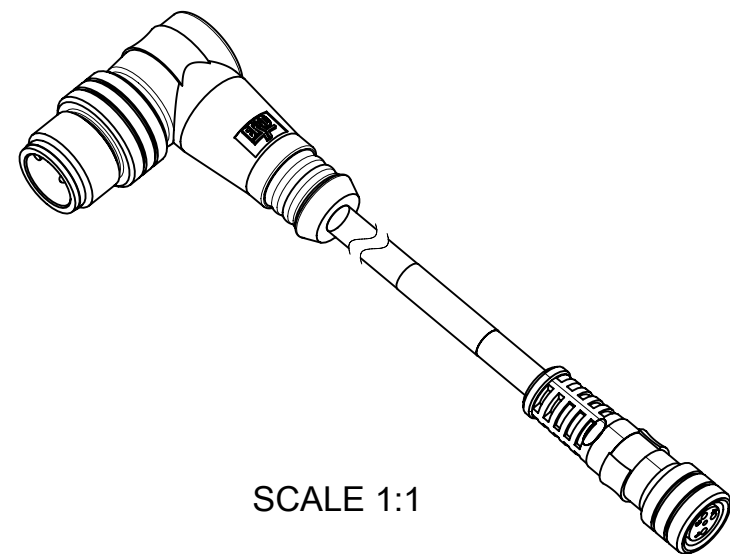
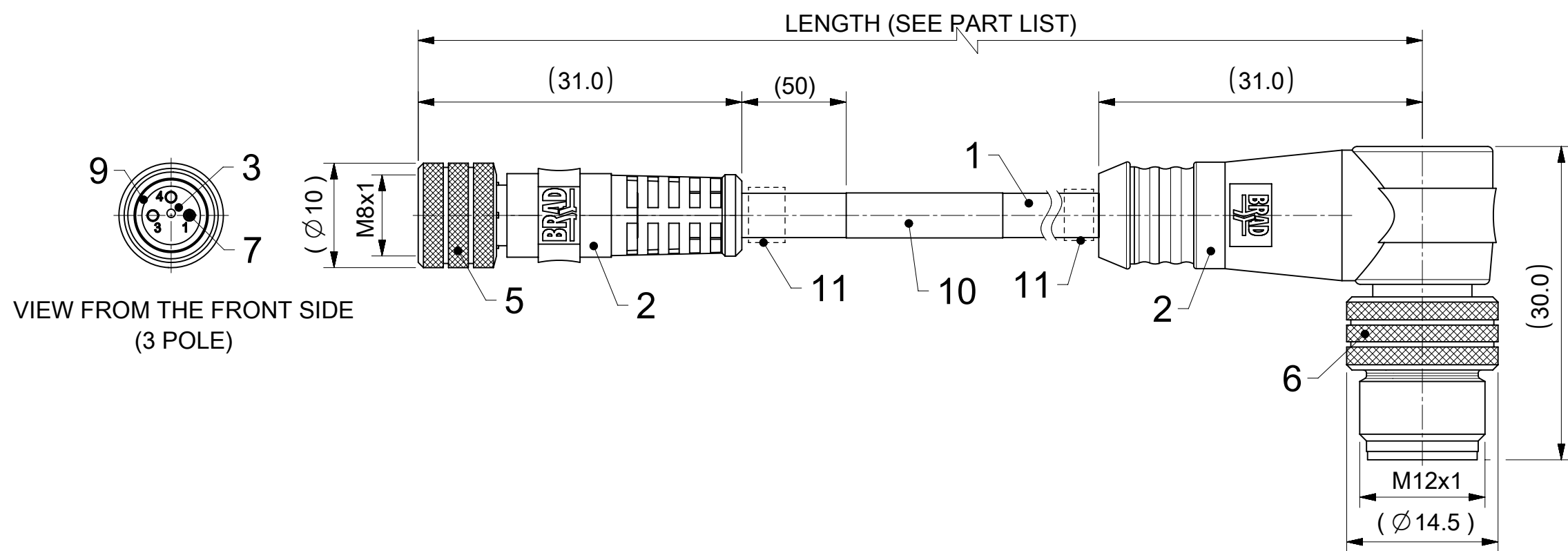
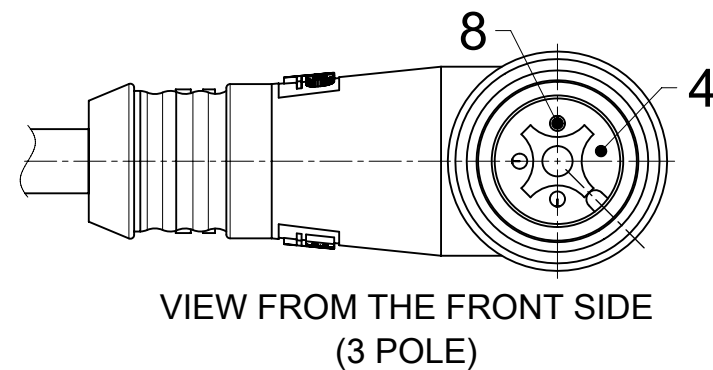




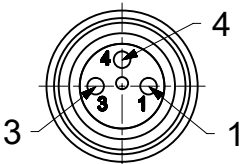
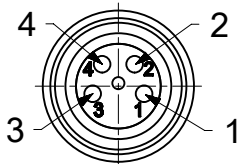
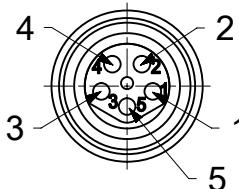
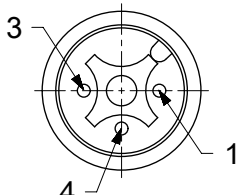
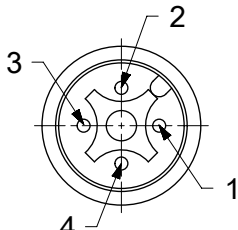
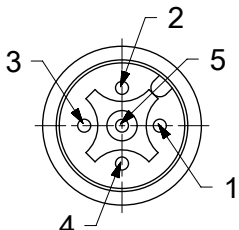
SCALE 1:1



NOTES:

1. LABEL ON THE CABLE / FOR CABLE IXX PRINTING ON THE CABLE
2. 2 x ID CARRIER IF IN MATRIX IS "H" OR FOR CABLE IXX & P82.

CONTACTS POSITION FRONT VIEW:

	3 CONTACTS		4 CONTACTS		5 CONTACTS	
M8 - FEMALE						
M12 - MALE						
CONNECTIONS	PIN	WIRE	PIN	WIRE	PIN	WIRE
	1	BROWN	1	BROWN	1	BROWN
	3	BLUE	2	WHITE	2	WHITE
	4	BLACK	3	BLUE	3	BLUE
			4	BLACK	4	BLACK
				5	GREY	

CODING M8 ACCORDING TO IEC 61076-2-104

CODING M12 ACCORDING TO IEC 61076-2-101

NOTES :

ELECTRICAL DATA :

RATED VOLTAGE: 3 contacts 60V AC/DC

4 & 5 contacts 30V AC/DC

CURRENT RATING: 3, 4 & 5 contacts 3A

INSULATION RESISTANCE : $10^8 \Omega$ MIN.

MATING CYCLES : MIN. 100

ENVIRONMENTAL :

PROTECTION CLASS : IP67 IN MATED

AND LOCKED POSITION

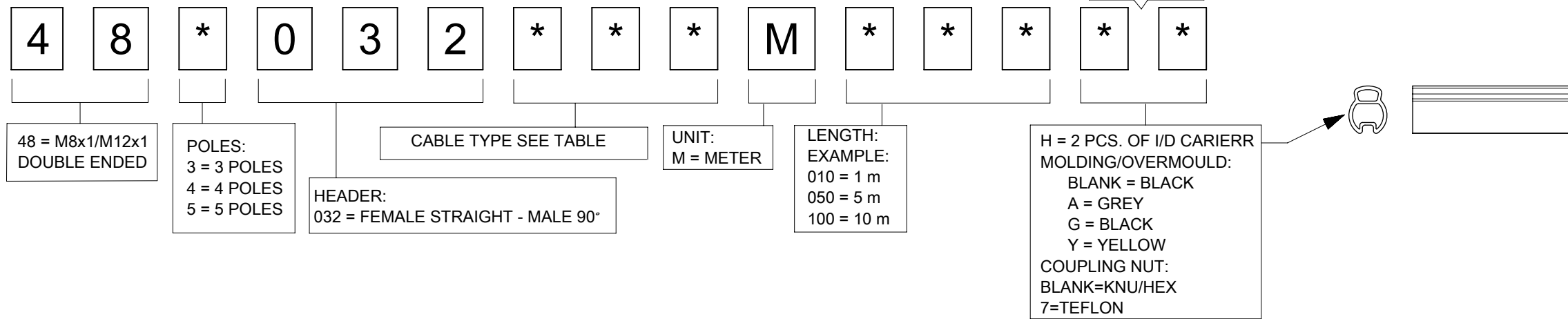
OPERATING TEMPERATURE : -25°C TO +80°C

BOM

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
1	-	CABLE (SEE MATRIX)	-	-
2	-	MOULDING MATERIAL	TPU	BLACK
3	1	INSERT FE XP BK	PUR	BLACK
4	1	INSERT MA XP BK	PUR	BLACK
5	1	COUPLING NUT M8 FE	BRASS	Ni-PLATED /TEFLON COAT
6	1	COUPLING NUT M12 MA		
7	3/4/5	CONTACT FE	BRONZE	GOLD OVER NICKEL PLATED
8	3/4/5	CONTACT MA		
9	1	GASKET	FKM	RED
10	1	LABEL (SEE NOTE 1)	VINYL	YELLOW
11	X	ID CARRIER (SEE MATRIX)	PVC	TRANSPARENT

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: SORTED PART LIST USING CABLE TYPES ON SHEET 2 AND STANDARD CABLE TOL. TABLE					molex					
	mm	2:1											
	GENERAL TOLERANCES (UNLESS SPECIFIED)												
ANGULAR TOL ± 1.0°													
DIVISIONAL SYMBOLS	4 PLACES	±	EC NO: 789428					CSE M8 FE AC STR PUR/PVC M12 MA AC RA XP DE					
	3 PLACES	±	DRWN: AKABADI 2023/10/18										
	2 PLACES	± 0.05	CHK'D: RSILLER 2024/07/02										
	1 PLACE	± 0.3	APPR: RSILLER 2024/07/02										
	0 PLACES	± 0.5	INITIAL REVISION:										
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
							A3-SIZE	120087	SEE PART LIST	GENERAL MARKET	1 OF 2		
					DRWN: MDHARMANTI 2022/03/11		APPR: RSILLER 2022/03/18		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
									1200878440		PSD	000	B

PART NO MATRIX



CABLE LIST

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	SHIELD
E02	3 / 4 / 5 / 8	0.25mm ²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
H09	3 / 4 / 5	0.34mm ²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
P02	3 / 4 / 5 / 8	0.25mm ²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
P82	3 / 4 / 5	0.34mm ²	PUR IRR ORANGE	-	-	-50°C to +105°C, >5xO.D.	-40°C to +105°C, >7.5xO.D.	-	-
I02	3 / 4 / 8	0.25mm ²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
B41	3	0.25mm ²	TPU BLACK	UL STYLE 21215	CSA RATING 80°C 600V	-40°C to +90°C, 5xO.D.	-25°C to +80°C, >7.5xO.D.	-	-

PART LIST

MOLEX P/N	ENGINEERING No.	L [mm]
3P CABLE E02		
1200878439	483032E02M006	600
1200878440	483032E02M010	1000
1200878641	483032E02M015	1500
1200878581	483032E02M030	3000
1200878441	483032E02M050	5000
1200878442	483032E02M100	10000
1200878443	483032E02M150	15000
4P CABLE E02		
1200878489	484032E02M003	300
1200878252	484032E02M050	5000
1200878490	484032E02M006	600
1200878491	484032E02M010	1000
1200878253	484032E02M100	10000
3P CABLE I02		
1200878444	483032I02M010	1000
1200878831	483032I02M030Y	3000
1200878445	483032I02M050	5000
1200878832	483032I02M050Y	5000
1200878833	483032I02M100Y	10000

MOLEX P/N	ENGINEERING No.	L [mm]
3P CABLE P02		
1200878446	483032P02M006	600
1200878447	483032P02M010	1000
1200878919	483032P02M015	1500
1200878448	483032P02M020	2000
1200878449	483032P02M030	3000
1200878450	483032P02M050	5000
4P CABLE P02		
1200878492	484032P02M020	2000

MOLEX P/N	ENGINEERING No.	L [mm]
3P CABLE P82		
1200878062	483032P82M0067	600
4P CABLE B41		
1200879048	484032B41M050	5000
1200879051	484032B41M100	10000
4P CABLE H09		
1200878631	484032H09M030	3000

CABLE LENGTH TOLERANCES

LENGTH	TOLERANCE
0m-1m	+40 mm
>1m-5m	+60 mm
>5m-10m	+80 mm
>10m-20m	+140 mm
>20m-30m	+160 mm
>30m	+1% length

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: SORTED PART LIST USING CABLE TYPES ON SHEET 2 AND STANDARD CABLE TOL. TABLE		molex					
GENERAL TOLERANCES (UNLESS SPECIFIED)		ANGULAR TOL ± 1.0°		CSE M8 FE AC STR PUR/PVC M12 MA AC RA XP DE									
4 PLACES		±						EC NO: 789428 DRWN: AKABADI 2023/10/18 CHK'D: RSILLER 2024/07/02 APPR: RSILLER 2024/07/02					
3 PLACES		±											
DIVISIONAL SYMBOLS		2 PLACES		± 0.05				PRODUCT CUSTOMER DRAWING					
1 PLACE		± 0.3		DOCUMENT NUMBER 1200878440 DOC TYPE PSD DOC PART 000 REVISION B									
0 PLACES		± 0.5						INITIAL REVISION: DRWN: MDHARMANTI 2022/03/11 APPR: RSILLER 2022/03/18					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES						MATERIAL NUMBER	
				A3-SIZE		120087		SEE PART LIST		GENERAL MARKET		2 OF 2	