

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:

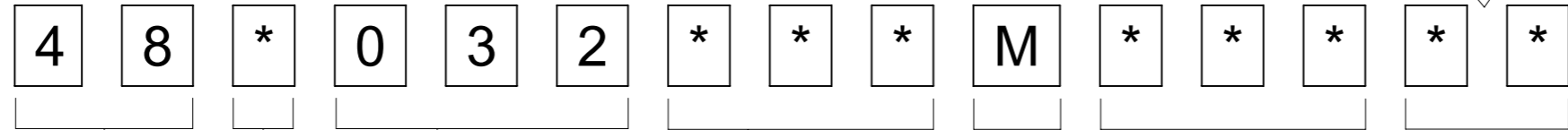
	3 CONTACTS		4 CONTACTS		5 CONTACTS	
M8 - FEMALE						
M12 - MALE						
CONNECTIONS	PIN	WIRE	PIN	WIRE	PIN	WIRE
	1	BROWN	1	BROWN	1	BROWN
	3	BLUE	2	WHITE	2	WHITE
	4	BLACK	3	BLUE	3	BLUE
			4	BLACK	4	BLACK
				5	GREY	
CODING M8 ACCORDING TO IEC 61076-2-104						
CODING M12 ACCORDING TO IEC IEC 61076-2-101						

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 : 10⁹Ω MIN.
 MATING CYCLES : MIN. 100
 ENVIRONMENTAL :
 PROTECTION CLASS : IP67 IN MATED
 AND LOCKED POSITION
 OPERATING TEMPERATURE : -25°C TO +80°C

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

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: MIGRATED AND REVISED	
	∇A = 0	mm	SCALE	2:1
	∇E = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
	∇F = 0	ANGULAR TOL ± 1.0°		
DIVISIONAL SYMBOLS	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
			A3-SIZE	120087
EC NO: 699224		DRWN: MDHARMANTI	2022/03/11	 CSE M8 FE AC STR PUR/PVC M12 MA AC RA XP DE PRODUCT CUSTOMER DRAWING
CHK'D: RSILLER		2022/03/18		
APPR: RSILLER		2022/03/18		
INITIAL REVISION:		DRWN: MDHARMANTI	2022/03/11	DOCUMENT NUMBER
		APPR: RSILLER	2022/03/18	1200878440
				DOC TYPE
				PSD
				DOC PART
				000
				REVISION
				A
		MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
		SEE MATRIX (SH 2)	GENERAL MARKET	1 OF 2

PART NO MATRIX



48 = M8x1/M12x1
DOUBLE ENDED

POLES:
3 = 3 POLES
4 = 4 POLES
5 = 5 POLES

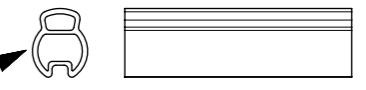
HEADER:
032 = FEMALE STRAIGHT - MALE 90°

CABLE TYPE SEE TABLE

UNIT:
M = METER

LENGTH:
EXAMPLE:
010 = 1 m
050 = 5 m
100 = 10 m

OPTIONS
H = 2 PCS. OF I/D CARRIER
MOLDING/OVERMOULD:
BLANK = BLACK
A = GREY
G = BLACK
Y = YELLOW
COUPLING NUT:
BLANK=KNU/HEX
7=TEFLON



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 PN	ENGINEERING NO.	LENGTH (mm)
1200878439	483032E02M006	600
1200878440	483032E02M010	1000
1200878641	483032E02M015	1500
1200878581	483032E02M030	3000
1200878441	483032E02M050	5000
1200878442	483032E02M100	10000
1200878443	483032E02M150	15000
1200878489	484032E02M003	300
1200878252	484032E02M050	5000
1200878490	484032E02M006	600
1200878491	484032E02M010	1000
1200878253	484032E02M100	10000
1200878444	483032I02M010	1000
1200878831	483032I02M030Y	3000
1200878445	483032I02M050	5000
1200878832	483032I02M050Y	5000
1200878833	483032I02M100Y	10000

MOLEX PN	ENGINEERING NO.	LENGTH (mm)
1200878446	483032P02M006	600
1200878447	483032P02M010	1000
1200878919	483032P02M015	1500
1200878448	483032P02M020	2000
1200878449	483032P02M030	3000
1200878450	483032P02M050	5000
1200878492	484032P02M020	2000
1200878062	483032P82M0067	600
1200879048	484032B41M050	5000
1200879051	484032B41M100	10000
1200878631	484032H09M030	3000

TABLE OF LENGTH TOLERANCES (mm)

OVER	UP TO AND INCLUDING	TOLERANCE (+)
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	+2% OF LENGTH

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FUNCTIONAL SYMBOLS: $\sqrt{A} = 0$, $\sqrt{E} = 0$, $\sqrt{V} = 0$

DIMENSION UNITS: mm | SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED): ANGULAR TOL ± 1.0°

DIVISIONAL SYMBOLS: 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: A3-SIZE | SERIES: 120087

EC NO: 699224 | DRWN: MDHARMANTI | 2022/03/11 | APPR: RSILLER | 2022/03/18

CHK'D: RSILLER | 2022/03/18 | APPR: RSILLER | 2022/03/18

INITIAL REVISION: DRWN: MDHARMANTI | 2022/03/11 | APPR: RSILLER | 2022/03/18

DOCUMENT NUMBER: 1200878440 | DOC TYPE: PSD | DOC PART: 000 | REVISION: A

MATERIAL NUMBER: SEE MATRIX (SH 2) | CUSTOMER: GENERAL MARKET | SHEET NUMBER: 2 OF 2

molex

CSE M8 FE AC STR PUR/PVC M12 MA AC RA XP DE

PRODUCT CUSTOMER DRAWING