

FEMALE PLUG M8 90° ANGLED TO MALE PLUG M8 90° ANGLED WSOR CABLES

LENGTH + TOLERANCE (SEE SHEET 2+3)

"BRAD" LOGO ONLY ON ONE
SIDE OF THE OVERMOLD

NOTES:

1. PRODUCT SPECIFICATION:

RATED VOLTAGE:

3 contacts 60V AC/DC

4 and 5 contacts 30V AC/DC

CURRENT RATING: 3, 4, 5 contacts 3A

PROTECTION CLASS: IP 67

TEMPERATURE: -25°C / +80°C

2. PACKAGING: THE CORDSETS ARE

PACKED IN PLASTIC BAGS AND

DELIVERED IN CARTON BOXES

3. SAFETY: INSTALLATION, MOUNTING,

AND MAINTENANCE OF THE

PRODUCT MAY ONLY BE CARRIED

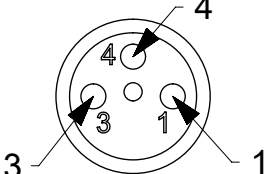
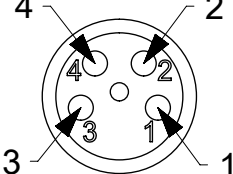
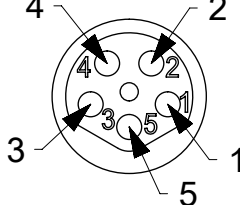
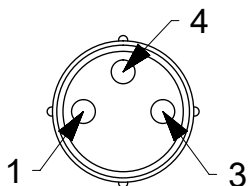
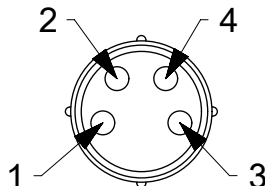
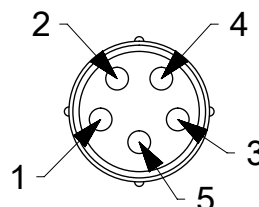
OUT BY A QUALIFIED

ELECTRICIAN

4. INSULATION RESISTANCE: $10^8 \Omega \text{ MIN}$

5. MATING CYCLES: MAX 100

CONTACT POSITION FRONT VIEW:

	3 CONTACTS - AC		4 CONTACTS - AC		5 CONTACTS - BC	
FEMALE						
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 ACCORDING TO IEC 61076-2-104

DOCUMENT STATUS	P1	RELEASE DATE	2024/07/02	09:18:41
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FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01

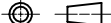
(BACK VIEW)

- "BRAD" LOGO ONLY ON ONE SIDE OF THE OVERMOLD

SCALE 1:1

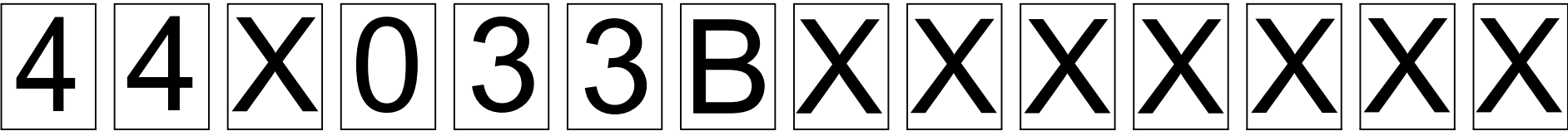
FOR OPTIONS SEE NUMERICAL CODE ON SHEET 2

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH / COLOR
1	3 / 4 / 5	CONTACT M8 FEMALE	BRONZE	SELECTIVE Au OVER Ni
2	1	O-RING	FKM	RED
3	1	INSERT FEMALE	TPU	BLACK
4	1	COUPLING NUT M8 FEMALE SW9	BRASS	NICKEL
5	-	OVERMOLD	TPU	BLACK
6	-	CABLE	SEE SHEET 2	---
7	1	LABEL	VINYL	YELLOW
8	1	COUPLING NUT M8 MALE SW9	BRASS	NICKEL
9	1	SLEEVE	BRASS	NICKEL
10	3 / 4 / 5	CONTACT M8 MALE	Cu-ALLOY	SELECTIVE Au OVER Ni
11	1	INSERT MALE	TPU	BLACK
12	2	I/D CARRIER	PVC	---

FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
$\frac{F}{A} = 0$ $\frac{F}{E} = 0$ $\frac{F}{\bar{E}} = 0$ DIVISIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: AS PER THE PCN-513749 CHANGED DIMENSIONING STYLE OF OVERALL LENGTH TO "END TO END". ADDED NOTES 4 & 5. SORTED PART LIST USING CABLE TYPES ON SHEET 3					molex					
	mm		2:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)									CSE M8 M8 XP XC FE RA WSOR MA RA XM					
	ANGULAR TOL ± 1.0°														
	4 PLACES		±							PRODUCT CUSTOMER DRAWING					
	3 PLACES		±												
	2 PLACES		± 0.05												
1 PLACE		± 0.3		EC NO: 789428 DRWN: AKABADI 2023/08/24 CHK'D: RSILLER 2024/07/02 APPR: RSILLER 2024/07/02					DOCUMENT NUMBER 1200878769 DOC TYPE PSD DOC PART 000 REVISION B						
0 PLACES		± 0.5													
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 3	

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

OPTIONS



44=Nano-Change
M8x1
Double ended

Poles:
3=3 Contacts
4=4 Contacts
5=5 Contacts

Heads style:
032=Plug Female 90°
to Plug Male 90°

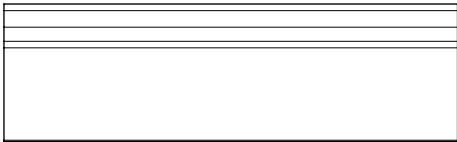
Cable type: See Table

Units:
M=Meter
C=Centimeter

Length
Examples:
005=0.5 unit
010=1 unit
100=10 unit

Overmold color:
Blank (Standard)=Black

H= 2 pcs. of
I/D Carrier PVC Transparent



CABLE INFORMATION (for more information see Cable Data Sheet)

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN: TEMP. / BENDING RADIUS	DRAG CHAIN	CABLE PRODUCT SPECIFICATION	CABLE SPEC. DRAWING
B41	3 / 4 / 5	0.25mm²	TPU Black	UL 21215/758	C22.2 I/II A/B 80°/600V	-40°C to +90°C 5xO.D.	-25°C to +80°C 7.5xO.D.	-5°C to +60°C 7.5xO.D.	up to 5 000 000 cycles at temp 20°C	1552200001	SD-120209-001

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

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	ANGULAR TOL ± 1.0 °															
	4 PLACES		±													
3 PLACES		±														
DIVISIONAL SYMBOLS	2 PLACES		± 0.05		INITIAL REVISION: DRWN: RSCHIEBER2018/11/19 APPR: RSILLER2018/12/10				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
	1 PLACE		± 0.3						1200878769		PSD		000		B	
	0 PLACES		± 0.5													
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							A3-SIZE		120087		SEE PART LIST		GENERAL MARKET		2 OF 3	

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