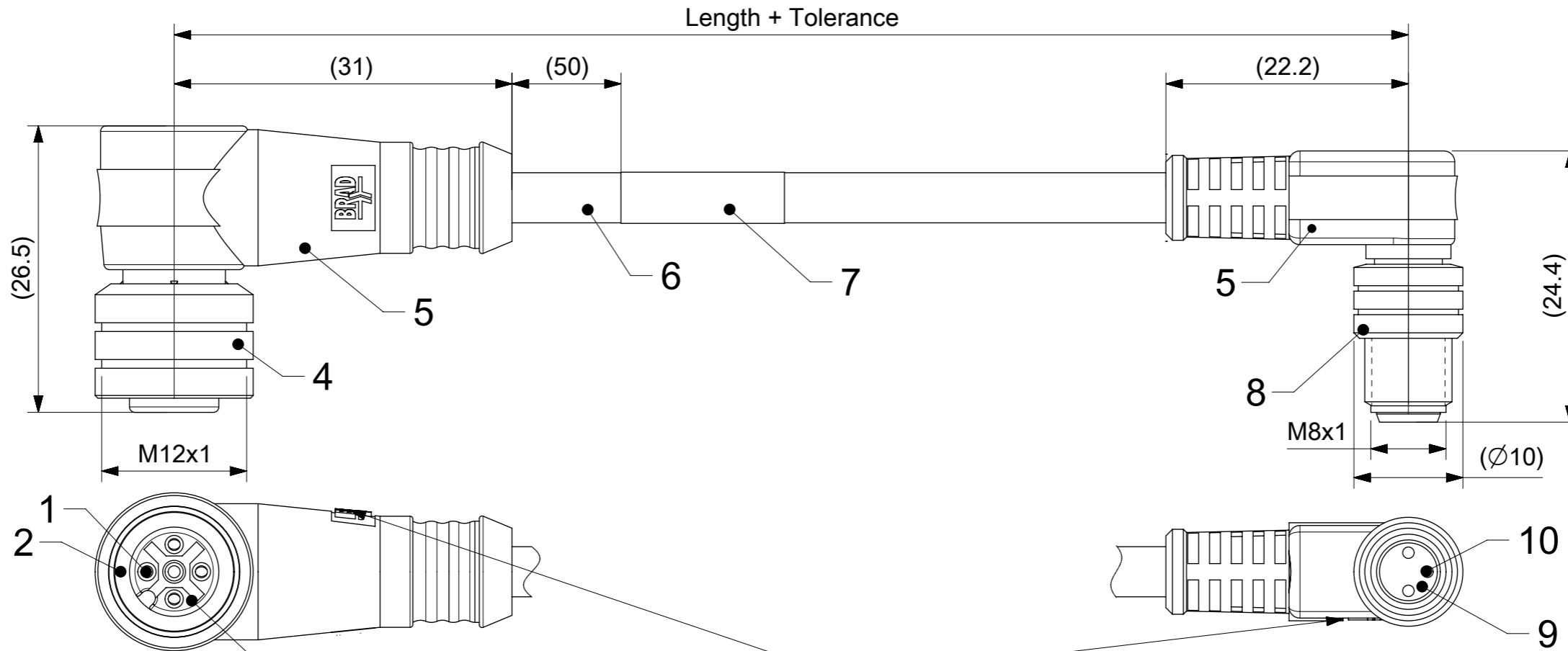


FEMALE PLUG M12 90° TO MALE PLUG M8 90°

REVISION A1 ADDED INFORMATION ABOUT BRAD LOGO



NOTES:

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

A1 BRAD LOGO IS ONLY ONE SIDE ON THE OVERMOULD

CONTACTS POSITION FRONT VIEW:

	3 CONTACTS		4 CONTACTS		5 CONTACTS	
M8 - MALE						
M12 - FEMALE						
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

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
10	3 / 4 / 5	CONTACT M8 MALE	BRASS	SELECTIVE Au OVER Ni
9	1	INSERT MALE M8 BLACK	TPU	---
8	1	COUPLING NUT M8 MALE	BRASS	NICKEL
7	1	LABEL YELLOW	VINYL	---
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOULDING BLACK	TPU	---
4	1	COUPLING NUT M12 FEMALE	BRASS	NICKEL
3	1	INSERT FEMALE M12 BLACK	PUR	---
2	1	GASKET RED	FPM	---
1	3 / 4 / 5	CONTACT M12 FEMALE	BRASS	SELECTIVE Au OVER Ni

SYMBOLS DIMENSION UNITS: mm SCALE: 2:1 GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS THIRD ANGLE PROJECTION	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION CURRENT REV DESC:			
	EC NO: 171733 DRWN: AKONDRACIUK 2018/01/31 CHK'D: MIWASIECZKO 2018/02/05 APPR: MIWASIECZKO 2018/02/05			
	INITIAL REVISION: DRWN: AKONDRACIUK 2017/02/22 APPR: MIWASIECZKO 2017/04/27		PRODUCT CUSTOMER DRAWING	
	DOCUMENT NUMBER: 1200668467 DOC TYPE: PSD DOC PART: 000 REVISION: A1		MATERIAL NUMBER: SEE SHEET 3 CUSTOMER: GENERAL MARKET SHEET NUMBER: 1 OF 3	

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

OPTIONS

8 4 X 0 3 3 X X X X X X X X

48=Nano-Change
M8x1 to
Micro-Change
M12x1

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

Heads style:
033=Plug Female 90
to Plug Male 90

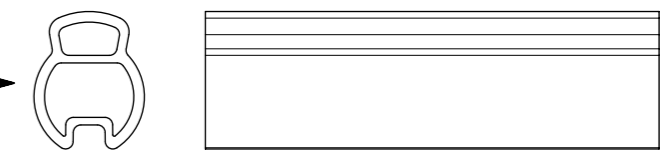
Cable type: See Table

Units:
M=Meter

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

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	SHIELD
E02	3 / 4 / 5	0.25mm ²	PVC Black	UL 2464/1729	C22.2 I/II A/B 80°/300V	-30°C to +80°C 10xO.D.	-10°C to +80°C 15xO.D.	-	-
P02	3 / 4 / 5	0.25mm ²	PUR/PVC BLACK	-	-	-30°C to +80°C 7xO.D.	-5°C to +80°C 15xO.D.	-	-
I03	3 / 4 / 5	0.34mm ²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-


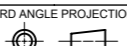
Table of length tolerances

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

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex
	DIMENSION UNITS	SCALE	EC NO: 171733		
	mm	2:1	DRWN: AKONDRACIUK 2018/01/31		
	GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: MIWASIECZKO 2018/02/05		
▽ = 0	ANGULAR TOL ± °		APPR: MIWASIECZKO 2018/02/05		PRODUCT CUSTOMER DRAWING
▽ = 0	4 PLACES ±		INITIAL REVISION:		
▽ = 0	3 PLACES ±		DRWN: AKONDRACIUK 2017/02/22		DOCUMENT NUMBER
▽ = 0	2 PLACES ±		APPR: MIWASIECZKO 2017/04/27		
▽ = 0	1 PLACE ±		SERIES		DOC TYPE
▽ = 0	0 PLACES ±		A3-SIZE		
□ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	DOC PART
▽ = 0				SERIES	
			MATERIAL NUMBER	CUSTOMER	REVISION
			120066	GENERAL MARKET	A1
			SEE SHEET 3		SHEET NUMBER
					2 OF 3

PART LIST

No	Part No	Engineering No	Cable Length
1	1200668257	843033I03M030	3m
2	1200668465	843033E02M003	0.3m
3	1200668466	843033E02M004	0.4m
4	1200668467	843033E02M006	0.6m
5	1200668468	843033E02M010	1m
6	1200668469	843033P02M010	1m
7	1200668470	843033P02M050	5m
8	1200669316	843033P02M006	0.6m
9	1200669317	843033P02M020	2m
10	1200669318	843033P02M030	3m
11	1200669319	843033P02M040	4m
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
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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:				
∇ = 0	mm	2:1	<div style="text-align: center;">  <p>CSE M12 M8 XP AC FE RA X MA RA XM</p> <p>PRODUCT CUSTOMER DRAWING</p> </div>				
∇ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)					EC NO: 171733	
∇ = 0	ANGULAR TOL ± °					DRWN: AKONDRACIUK 2018/01/31	
∇ = 0	4 PLACES ±					CHK'D: MIWASIECZKO 2018/02/05	
∇ = 0	3 PLACES ±					APPR: MIWASIECZKO 2018/02/05	
∇ = 0	2 PLACES ±		INITIAL REVISION:				
∇ = 0	1 PLACE ±		DRWN: AKONDRACIUK 2017/02/22				
∇ = 0	0 PLACES ±		APPR: MIWASIECZKO 2017/04/27				
▀ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES		
∇ = 0				A3-SIZE	120066		
			MATERIAL NUMBER	CUSTOMER	SHEET NUMBER		
			1200668467	GENERAL MARKET	3 OF 3		

DOCUMENT STATUS	P1	RELEASE DATE	2018/02/05 07:27:39
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