

**NOTES:**

RATED VOLTAGE: 3, 4, 5 contacts 250V / 300V  
 RATED CURRENT: 3, 4, 5 contacts 4A  
 PROTECTION CLASS: IP 68  
 TEMPERATURE: -30°C / +80°C

**CONTACTS POSITION FRONT VIEW:**

	3 CONTACTS		4 CONTACTS		5 CONTACTS		8 CONTACTS	
FEMALE								
MALE								
CONNECTIONS	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
	1	BROWN	1	BROWN	1	BROWN	1	WHITE
	2	---	2	WHITE	2	WHITE	2	BROWN
	3	BLUE	3	BLUE	3	BLUE	3	GREEN
	4	BLACK	4	BLACK	4	BLACK	4	YELLOW
			5	---	5	GREY OR	5	GREY
							6	PINK
							7	BLUE
							8	RED

**FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2**

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
7	1	LABEL YELLOW	VINYL	---
6	3 / 4 / 5	CONTACT MALE	COPPER	SELECTIVE Au OVER Ni
5	1	PLUG U12 MA XP AC STR	-	---
4	-	CABLE	SEE SHEET 2	---
3	-	OVERMOULDING BLACK	TPU	---
2	1	PLUG U12 FE XP AC STR	-	---
1	3 / 4 / 5	CONTACT FEMALE	BRONZE	SELECTIVE Au OVER Ni

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:			
	$\nabla_A = 0$ $\nabla_E = 0$ $\nabla_V = 0$	DIMENSION UNITS: <b>mm</b> SCALE: <b>2:1</b>	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0°		
DIVISIONAL SYMBOLS	4 PLACES ±	EC NO: 698441	2021/12/22	U12 U12 XP FE RA MA STR XM PRODUCT CUSTOMER DRAWING	
	3 PLACES ±	DRWN: SSM	2022/03/08		
	2 PLACES ± 0.05	CHK'D: RSILLER	2022/03/08		
	1 PLACE ± 0.3	APPR: RSILLER	2022/03/08		
0 PLACES ± 0.5	INITIAL REVISION:	DRWN: AKONDRACIUK	2016/12/20	DOCUMENT NUMBER	DOC TYPE
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	APPR: MIWASIECZKO	2017/03/28	<b>1200808027</b>	PSD
				DOC PART	REVISION
				000	<b>A1</b>
				MATERIAL NUMBER	CUSTOMER
				SEE PART LIST	GENERAL MARKET
				SHEET NUMBER	
				1 OF 2	

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

OPTIONS

WWXX031XXXXXX

WW=U12x1  
Double ended

Contacts:  
3=3 Contacts  
4=4 Contacts  
5=5 Contacts  
8=8 Contacts

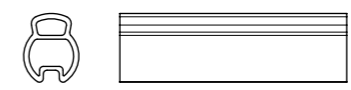
Heads style:  
031=Plug Female 90°  
to Plug Male Straight

Cable type: See Table

Units:  
M=Meter  
C=Centimeter

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

Overmold color:  
Blank (Standard)=Black TPU  
A=Grey / G=Black / Y=Yellow  
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
H09	3 / 4 / 5	0.34mm <sup>2</sup>	PUR BLACK LS0H	UL 21198/10493	C 22.2 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, Temp max 60°C	-
H08	3 / 4 / 5 / 8	0.25mm <sup>2</sup>	PUR BLACK LS0H	UL 21198/10493	C 22.2 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, Temp max 60°C	-
E03	3 / 4 / 5	0.34mm <sup>2</sup>	PVC BLACK	UL 2464/1729	C 22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
P03	3 / 4 / 5	0.34mm <sup>2</sup>	PUR/PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
P02	3 / 4 / 5 / 8	0.25mm <sup>2</sup>	PUR/PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-

PART LIST

MOLEX PN	ENGINEERING No	L [mm]
1200808030	WW3031H09M010	1000
1200808027	WW4031H09M010	1000
1200808153	WW4031E03M010	1000
1200805078	WW5031P03M010	1000
1200808028	WW5031H09M010	1000
1200808056	WW5031P03M015	1500
1200808057	WW5031P03M020	2000
1200808058	WW5031P03M040	4000
1200808059	WW5031P03M045	4500
1200808060	WW5031P03M050	5000
1200808061	WW5031P03M100	10000
1200808074	WW5031P03M020A	2000
1200808075	WW5031P03M050A	5000
1200805084	WW8031P02M010	1000
1200808034	WW8031H08M010	1000

CABLE LENGTH TOLERANCES

OVER	UP TO AND INCLUDING	TOLERANCES
0	305mm	+19mm
305mm	915mm	+45mm
915mm	1830mm	+56mm
1830mm	3660mm	+89mm
3660mm	7320mm	+165mm
7320mm	14640mm	+317mm
14640mm	30500mm	+610mm
30500mm	>	+2% of finished length

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	GENERAL TOLERANCES (UNLESS SPECIFIED)	ANGULAR TOL ± 1.0°		
DIVISIONAL SYMBOLS	4 PLACES ±	3 PLACES ±	2021/12/22	U12 U12 XP FE RA MA STR XM PRODUCT CUSTOMER DRAWING
	2 PLACES ± 0.05	1 PLACE ± 0.3	2022/03/08	
0 PLACES ± 0.5	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES
			A3-SIZE	120080
			MATERIAL NUMBER	CUSTOMER
			SEE PART LIST	GENERAL MARKET
			DOCUMENT NUMBER	DOC TYPE
			1200808027	PSD
			DOC PART	REVISION
			000	A1
			SHEET NUMBER	
			2 OF 2	