

* ADD 2xID CARRIER FOR CABLE I02 OR FOR PN WITH "H" AT THE END OF THE ENGINEERING No
** FOR CABLE I02 PRINTING ON THE CABLE: ENGINEERING No

NOTES:
RATED VOLTAGE: 60V AC / 75V DC
RATED CURRENT: 4A
PROTECTION CLASS: IP67
TEMPERATURE: -25°C / +80°C
PACKAGING ACCORDING TO PACKAGING SPEC. 1201202000

CONTACT POSITION FRONT VIEW:					
3 POLES (2 WIRES)		3 POLES		4 POLES	
PIN	WIRE	PIN	WIRE	PIN	WIRE
1	BROWN	1	BROWN	1	BROWN
2	---	2	---	2	WHITE
3	BLUE	3	BLUE	3	BLUE
4	N/U	4	BLACK	4	BLACK
5	---	5	---	5	---
DOCUMENT STATUS		P1	RELEASE DATE	2023/11/30	13:31:10

BILL OF MATERIAL

POS	QTY	DESCRIPTION	MATERIAL	FINISH
1	-	CABLE	SEE SHEET 2	SEE SHEET 2
2	3 / 4	CONTACT FEMALE	CuNi2Si	Cu/Ni2
3	-	OVERMOLD	TPU	BLACK
4	1	INSERT FEMALE	PUR	BLACK
**5	1	LABEL YELLOW	VINYL	-
	-	PRINTING FOR CABLES I02	-	-
*6	2	ID CARRIER FOR CABLES I02	PVC	-

FUNCTIONAL SYMBOLS FA = 0 FE = 0 FF = 0 DIVISIONAL 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: PACKAGING SPEC ADDED												
	mm		2:1														
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 770174 DRWN: RSCHIEBER 2023/11/20 CHK'D: RSILLER 2023/11/30 APPR: RSILLER 2023/11/30												
	ANGULAR TOL ± 1.0 °																
	4 PLACES		±														
	3 PLACES		±														
	2 PLACES		± 0.05														
	1 PLACE		± 0.3		INITIAL REVISION: DRWN: AKONDRACIUK 2017/06/07 APPR: MIWASIECZKO 2017/06/08												
	0 PLACES		± 0.5														
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
						A3-SIZE		120088		1200888001		PSD		000		A2	
										MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
										SEE SHEET 3		GENERAL MARKET				1 OF 3	

ENGINEERING NO. - NUMERICAL CODE (Available parts see table 2. Other parts available upon request).

OPTIONS

50X000XXXMXXXX

50=Snap
Nano Change
Single Ended

Poles:
2=2 Poles
3=3 Poles
4=4 Poles

Heads style:
001=Plug Female
90° Angled

Cable type: See Table 2

Unit:
M=Meter

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

*H= 2 pcs. of I/D Carrier PVC Transparent
(Cables lxx always with
2 pcs. I/D Carrier)

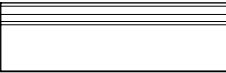


TABLE 2

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN
E02	3 / 4	0.25mm²	PVC BLACK	UL 1729/2464	C22.2 I/II A/B 80°C 300V	-30°C to +80°C / 10xO.D.	-10°C to +80°C / 15xO.D.	-
H08	3 / 4	0.25mm²	PUR BLACK LS0H	UL 10493/21198	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, Temp max 60°C
I02	2 / 3 / 4	0.25mm²	PVC (CEI) GREY	-	-	-30°C to +70°C	-5°C to +70°C	-
P02	3 / 4	0.25mm²	PUR / PVC BLACK	-	-	-30°C to +80°C / 7xO.D.	-5°C to +80°C / 15xO.D.	-

CABLE LENGTH TOLERANCES

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

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	DIMENSION UNITS		SCALE			EC NO: 770174 DRWN: RSCHIEBER2023/11/20 CHK'D: RSILLER2023/11/30 APPR: RSILLER2023/11/30 INITIAL REVISION: DRWN: AKONDRACIUK2017/06/07 APPR: MIWASIECZKO2017/06/08												
	mm		1:1															
	GENERAL TOLERANCES (UNLESS SPECIFIED)																	
	ANGULAR TOL ± 1.0 °																	
	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		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION
							A3-SIZE		120088		1200888001		PSD		000		A2	
											MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
											SEE SHEET 3		GENERAL MARKET		2 OF 3			

PART LIST

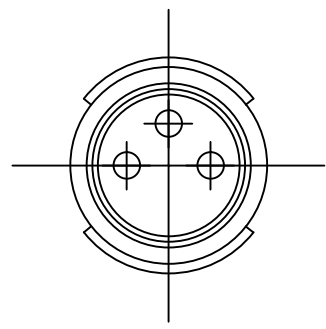
No	Part No	Engineering No	Cable Length
1	1200888001	503000E02M020	2m
2	1200888002	503000E02M050	5m
3	1200888095	504000E02M020	2m
4	1200888166	504000E02M005	0.5m
5	1200888096	504000E02M100	10m
6	1200888133	503000E02M005	0.5m
7	1200888156	504000E02M200	20m
8	1200888187	503000E02M200	20m
9	1200888188	503000E02M300	30m
10	1200888211	503000E02M010	1m
11	1200888006	503000I02M050	5m
12	1200888078	503000I02M020	2m
13	1200888098	504000I02M100	10m
14	1200888079	503000I02M040	4m
15	1200888080	503000I02M100	10m
16	1200888097	504000I02M050	5m
17	1200888066	503000H08M007	0.7m
18	1200888077	503000H08M050	5m
19	1200888121	504000H08M020	2m
20	1200888122	503000H08M020	2m
21	1200888191	503000H08M100	10m
22	1200888192	503000H08M300	30m
23	1200888083	503000P02M020	2m
24	1200888084	503000P02M050	5m
25	1200888085	503000P02M100	10m
26	1200888081	503000P02M008	0.8m
27	1200888082	503000P02M012	1.2m
28	1200888099	504000P02M050	5m
29	1200888123	504000P02M020	2m
30	1200888003	503000E02M100	10m
31			
32			
33			
34			
35			

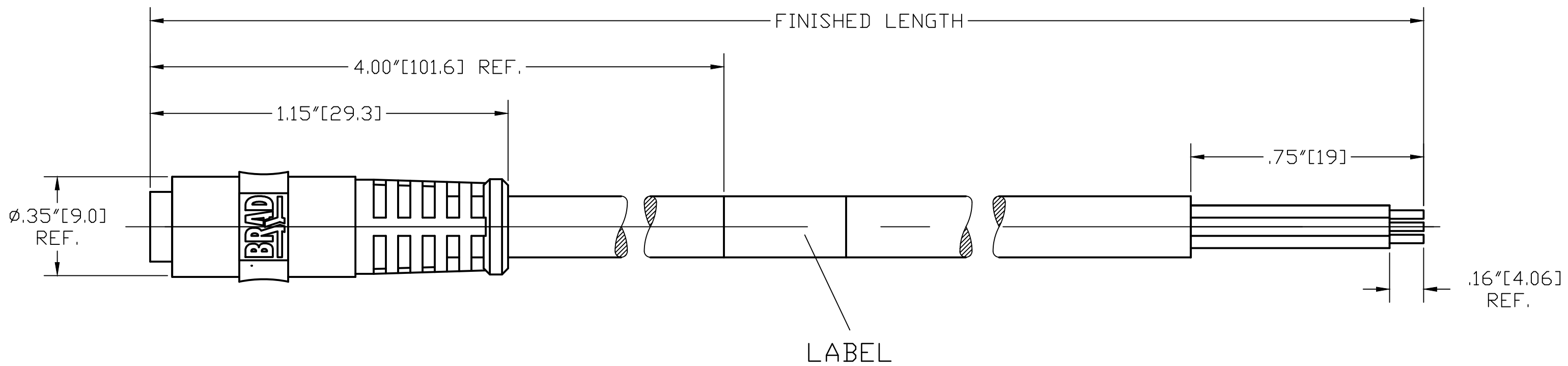
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	ANGULAR TOL	± 1.0 °									
	4 PLACES	±									
	3 PLACES	±									
	2 PLACES	± 0.05	1200888001		PSD	000	A2				
	1 PLACE	± 0.3									
	0 PLACES	± 0.5									
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER		
			A3-SIZE	120088	SEE PART LIST	GENERAL MARKET		3 OF 3			

DOCUMENT STATUS	P1	RELEASE DATE	2023/11/30	13:31:10
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9		8		7		6		5		4		3		2		1	
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13	12	11	10	9	8	7	6	5	4	3	2	1
MATERIAL NUMBER		OLD PART NUMBER		FINISHED LENGTH								
120088-8001		503000E02M020		6.56' +3.50" -0 [2.0M +88.9mm -0]								





503000E02M020

Wire type
3x .25mm
Black PVC

cable length
M020----2 Meter
M100----10 Meter

CONTACT:	GOLD/NICKEL OVER COPPER ALLOY
INSERT:	PUR, BLACK
MOLDED BODY:	TPU, NATURAL
VOLTAGE RATING:	60 VAC/75 VDC
AMPERAGE RATING:	4 AMPS
PROTECTION:	IP65
OPERATING TEMPERATURE:	-25°C TO 105°C
UL CERTIFICATIONS:	UL LISTED, FILE NO. E152210
CSA CERTIFICATIONS:	CSA CERTIFIED, FILE NO. LR6837

1

3

4

BROWN

BLUE

BLACK

WIRING DIAGRAM

INITIAL RELEASE

EC NO: IPG2013-1910

DRWN: EBRACKEN 2013/06/25

CHKD: RSTONE

APPR: BWOODMAN 2013/08/14

REV

QUALITY SYMBOL

▽=0

▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±---	±---
3 PLACES	±---	±.005
2 PLACES	±0.13	±.010
1 PLACE	±0.25	±.020

ANGULAR ±.5°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

IN/MM

DRAWN BY

DATE

EBRACKEN 2013/06/18

CHECKED BY

DATE

RSTONE ----

APPROVED BY

DATE

BWOODMAN 2013/08/14

MATERIAL NO.

SEE CHART

SIZE

C

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SCALE

DESIGN UNITS

INCH

THIRD ANGLE PROJECTION

TITLE

NANO-CHANGE ASSEMBLY
3 POLE FE ST
PVC SNAP

MOLEX

MOLEX INCORPORATED

DOCUMENT NO.

SD-120088-015

SHEET NO.

1 OF 1

13	12	11	10	9	8	7	6	5	4	3	2	1
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