

* 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	---

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	-

DOCUMENT STATUS	P1	RELEASE DATE	2023/11/30 13:31:10

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FD = 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: mm
SCALE: 2:1
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

CURRENT REV DESC: PACKAGING SPEC ADDED
EC NO: 770174
DRWN: RSCHIEBER 2023/11/20
CHK'D: RSILLER 2023/11/30
APPR: RSILLER 2023/11/30
INITIAL REVISION:
DRWN: AKONDRACIUK 2017/06/07
APPR: MIWASIECZKO 2017/06/08

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120088

molex

NC XP FE ST XM SNAP

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1200888001	PSD	000	A2

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE SHEET 3	GENERAL MARKET	1 OF 3

FORMAT: master-lb-prod-A3
REVISION: J1
DATE: 2021/05/01

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

OPTIONS

50X 000 XXX M XXXX

- **50X**: 50=Snap Nano Change Single Ended; Poles: 2=2 Poles, 3=3 Poles, 4=4 Poles
- **000**: Heads style: 001=Plug Female 90° Angled
- **XXX**: Cable type: See Table 2
- **M**: Unit: M=Meter
- **XXXX**: Length Examples: 005=0.5 unit, 010=1 unit, 100=10 units
- **X**: *H= 2 pcs. of I/D Carrier PVC Transparent (Cables Ixx 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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THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	120088	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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