

ENVIRONMENTAL:PROTECTION: IP67 IN MATED AND LOCKED POSITION



8	-	I/D CARRIER	PVC	TRANSPARENT
7	1	LABEL	VINYL	YELLOW
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOLDING	TPU	SEE SHEET 2
4	1	COUPLING NUT FEMALE	BRASS	SEE SHEET 2
3	1	INSERT FEMALE	PUR	BLACK
2	1	ORING	FPM	RED
1	3 / 4 / 5	CONTACT M12 FEMALE	BRONZE	SELECTIVE Au OVER Ni
	8		BRASS	SELECTIVE Au OVER Ni
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH / COLOR

CODING REQUIRED TO IEC 61076-2-101

DOCUMENT STATUS	P1	RELEASE DATE	2024/10/15	11:44:50
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FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
F_A = 0 F_E = 0 F_E = 0 DIVISIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: CABLE B02 INFORMATION ADDED TO THE TABLE, NEW PN'S ADDED TO THE PART LIST EC NO: 801127 DRWN: RSCHIEBER2024/10/14 CHK'D: RSILLER2024/10/15 APPR: RSILLER2024/10/15 INITIAL REVISION: DRWN: SSM2021/12/13 APPR: RSILLER2022/02/28	molex CSE M12 XP AC FE RA XM SE UNSH								
	mm		2:1											
	GENERAL TOLERANCES (UNLESS SPECIFIED)					PRODUCT CUSTOMER DRAWING								
	ANGULAR TOL ± 1.0°													
	4 PLACES		±			DOCUMENT NUMBER1200656607DOC TYPEPSDDOC PART000REVISIONB1								
	3 PLACES		±											
	2 PLACES		± 0.05											
1 PLACE		± 0.3												
0 PLACES		± 0.5												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWINGA3-SIZE		SERIES120065		MATERIAL NUMBERSEE SHEET 3		CUSTOMERGENERAL MARKET		SHEET NUMBER1 OF 3	

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Others on request).

8	0	X	0	0	1	X	X	X	X	X	X	X	X
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80=M12x1
Single ended

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

Heads style: 001=Plug Female 90° Angled

Cable type: See Table

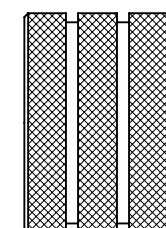
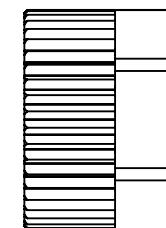
Units:
M=Meter

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

OVERMOLD COLOR:
BLANK (STANDARD)= BLACK
Y= YELLOW, A= GREY,
G= BLACK, R= RED

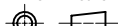
COUPLING NUT:
BLANK (STANDARD)= KNURLED -
/HEX BRASS, Ni PLATED
7 = KNURLED BRASS, Ni PLATED,
TEFLON COATED _____
5 = KNURLED DERLIN _____

H = 2 pcs. of I/D Carrier
PVC Transparent
(Cables B36 always with
2 pcs. I/D Carrier)



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 TESTED	OTHER	CABLE SPEC DRAWING
B30	3 / 4 / 5	0.34mm²	TPU BLACK	STYLE 21215	YES	-40°C to +90°C, 5xO.D.	-25°C to +80°C, 7.5xO.D.	5 MIO CYCLES	WELD SLAG RESISTANCE	SD-120209-00
B42	5									SD-120209-00
B41	8	0.25mm²	TPU ORANGE							SD-120209-00
B36	4	0.34mm²								SD-120209-00
B33	4 / 5	0.34mm²								SD-120209-00
B55	4 / 5	0.34mm²								1552200001 P
B02	4	0.75mm²	PUR YELLOW	STYLE 20549	YES	-	-	-	-	86-1842

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	DIMENSION UNITS		SCALE		CURRENT REV DESC: CABLE B02 INFORMATION ADDED TO THE TABLE, NEW PN'S ADDED TO THE PART LIST				molex								
	mm		1:1														
	GENERAL TOLERANCES (UNLESS SPECIFIED)																
ANGULAR TOL ± 1.0°																	
DIVISIONAL SYMBOLS	4 PLACES		±		EC NO: 801127				CSE M12 XP AC FE RA XM SE UNSH								
	3 PLACES		±		DRWN: RSCHIEBER 2024/10/14												
	2 PLACES		± 0.05		CHK'D: RSILLER 2024/10/15												
	1 PLACE		± 0.3		APPR: RSILLER 2024/10/15												
	0 PLACES		± 0.5		INITIAL REVISION:				PRODUCT CUSTOMER DRAWING								
					DRWN: SSM 2021/12/13				DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION
				APPR: RSILLER 2022/02/28				1200656607				PSD		000		B1	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION				DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
								A3-SIZE		120065		SEE SHEET 3		GENERAL MARKET		2 OF 3	

PART LIST

MOLEX PN	ENGINEERING No	L [mm]
3P CABLE B30		
1200652259	803001B30M010	1000
1200652260	803001B30M020	2000
1200652261	803001B30M050	5000
1200652262	803001B30M100	10000
4P CABLE B30		
1200652263	804001B30M010	1000
1200652264	804001B30M020	2000
1200659470	804001B30M030	3000
1200652265	804001B30M050	5000
1200659807	804001B30M083	8300
1200652266	804001B30M100	10000
1200659401	804001B30M150	15000
1200659471	804001B30M200	20000
1200659472	804001B30M250	25000
1200659473	804001B30M300	30000
5P CABLE B30		
1200659522	805001B30M010	1000
1200659523	805001B30M020	2000
1200656665	805001B30M030	3000
1200659524	805001B30M050	5000
1200659525	805001B30M100	10000
1200659748	805001B30M150	15000
1200656484	805001B30M200	20000
8P CABLE B41		
1200652310	808001B41M010	1000
1200652311	808001B41M020	2000
1200652312	808001B41M050	5000
1200659789	808001B41M083	8300
1200652313	808001B41M100	10000
1200656022	808001B41M150	15000
1200656486	808001B41M200	20000
5P CABLE B42		
1200652267	805001B42M010	1000
1200652268	805001B42M020	2000
1200652269	805001B42M050	5000
1200652270	805001B42M100	10000
1200659542	805001B42M200	20000

MOLEX PN	ENG No.	L [mm]
4P CABLE B33		
1200657144	804001B33M005A	500
1200656607	804001B33M010A	1000
1200656608	804001B33M020A	2000
1200656609	804001B33M030A	3000
1200656610	804001B33M050A	5000
1200656611	804001B33M100A	10000
1200656612	804001B33M150A	15000
1200656613	804001B33M200A	20000
5P CABLE B33		
1200657181	805001B33M005A	500
1200656658	805001B33M010A	1000
1200656659	805001B33M020A	2000
1200656660	805001B33M030A	3000
1200656661	805001B33M050A	5000
1200656662	805001B33M100A	10000
1200656663	805001B33M150A	15000
1200656664	805001B33M200A	20000
1200657182	805001B33M300A	30000
1200657183	805001B33M400A	40000
1200657184	805001B33M500A	50000
4P CABLE B55		
1200656627	804001B55M010Y	1000
1200656628	804001B55M020Y	2000
1200656629	804001B55M030Y	3000
1200656630	804001B55M050Y	5000
1200656631	804001B55M100Y	10000
1200656632	804001B55M150Y	15000
1200656633	804001B55M200Y	20000
5P CABLE B55		
1200656666	805001B55M010Y	1000
1200656667	805001B55M020Y	2000
1200656668	805001B55M030Y	3000
1200656669	805001B55M050Y	5000
1200656670	805001B55M100Y	10000
1200656671	805001B55M150Y	15000
1200656672	805001B55M200Y	20000

MOLEX PN	ENG No.	L [mm]
4P CABLE B36		
1200656852	804001B36M0107Y	1000
1200656391	804001B36M0207H	2000
1200659432	804001B36M0207Y	2000
1200656392	804001B36M0507H	5000
1200659433	804001B36M0507Y	5000
1200656393	804001B36M1007H	10000
1200659434	804001B36M1007Y	10000
4P CABLE B02		
1200651313	804001B02M040	4000
1200651315	804001B02M050	5000

LENGTH	TOLERANCE
0 m - 1 m	+40 mm
>1 m - 5 m	+60 mm
>5 m - 10 m	+80 mm
>10 m - 20 m	+140 mm
>20 m - 30 m	+160 mm
>30 m	+1% length

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		mm		1:1					
		GENERAL TOLERANCES (UNLESS SPECIFIED)							
		ANGULAR TOL ± 1.0 °							
		4 PLACES		±		EC NO: 801127			
		3 PLACES		±		DRWN: RSCHIEBER 2024/10/14			
		2 PLACES		± 0.05		CHK'D: RSILLER 2024/10/15			
		1 PLACE		± 0.3		APPR: RSILLER 2024/10/15			
		0 PLACES		± 0.5		INITIAL REVISION:			
						DRWN: SSM 2021/12/13			
						APPR: RSILLER 2022/02/28			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES	
						A3-SIZE		120065	
						DOCUMENT NUMBER		DOC TYPE	
						1200656607		PSD	
								DOC PART	
								000	
								REVISION	
								B1	
						MATERIAL NUMBER		CUSTOMER	
						SEE SHEET 3		GENERAL MARKET	
								SHEET NUMBER	
								3 OF 3	

NOTE:
* (STAR) - INDICATES THESE PNS ONLY HAVE ID CARRIER IN BOM.

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