

ENVIRONMENTAL:PROTECTION: IP67 IN MATED AND
LOCKED POSITION



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	DIMENSION UNITS		SCALE		molex CSE M12 XP AC FE RA XM SE UNSH												
	mm		2:1														
	GENERAL TOLERANCES (UNLESS SPECIFIED)																
	ANGULAR TOL		±	1.0 °		PRODUCT CUSTOMER DRAWING											
	4 PLACES		±														
	3 PLACES		±														
	DIVISIONAL SYMBOLS	2 PLACES		±	0.05		DOCUMENT NUMBER										
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		120065		SEE SHEET 3		GENERAL MARKET		1 OF 3			
										1200656607		PSD		000		B1	

CODING REQUIRED TO IEC 61076-2-101

FORMAT: master-tb-prod-A3

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

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

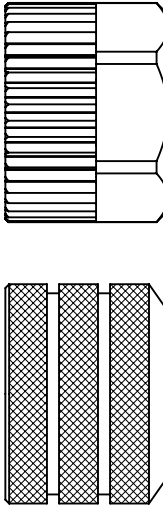
Units:
M=Meter

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-120209-001
B42	5									SD-120209-001
B41	8	0.25mm²	TPU ORANGE							SD-120209-006
B36	4	0.34mm²								SD-120209-001
B33	4 / 5	0.34mm²	TPU GRAY							SD-120209-001
B55	4 / 5	0.34mm²	TPU YELLOW							1552200001 PS
B02	4	0.75mm²	PUR YELLOW	STYLE 20549	YES	-	-	-	-	86-1842

FUNCTIONAL SYMBOLS

FA

=

0

FE

=

0

FE

=

0

DIVISIONAL SYMBOLS

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DIMENSION UNITS

mm

SCALE

1:1

CURRENT REV DESC: CABLE B02 INFORMATION
ADDED TO THE TABLE, NEW PN'S ADDED TO THE
PART LIST

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

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

EC NO: 801127

DRWN: RSCHIEBER

CHK'D: RSILLER

APPR: RSILLER

INITIAL REVISION:

DRWN: SSM

APPR: RSILLER

2024/10/14

2024/10/15

2024/10/15

2021/12/13

2022/02/28

A3-SIZE

120065

SEE SHEET 3

GENERAL MARKET

2 OF 3

molex

CSE M12 XP AC FE RA XM SE UNSH

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200656607

DOC TYPE

PSD

DOC PART

000

REVISION

B1

DOCUMENT STATUS

P1

RELEASE DATE

2024/10/15

11:44:50

FORMAT: mss-16-005-A3

REVISION: 1

DATE: 2020/01/11

10

9

8

7

6

5

4

3

2

1

F

EDBA

10

10

10

10