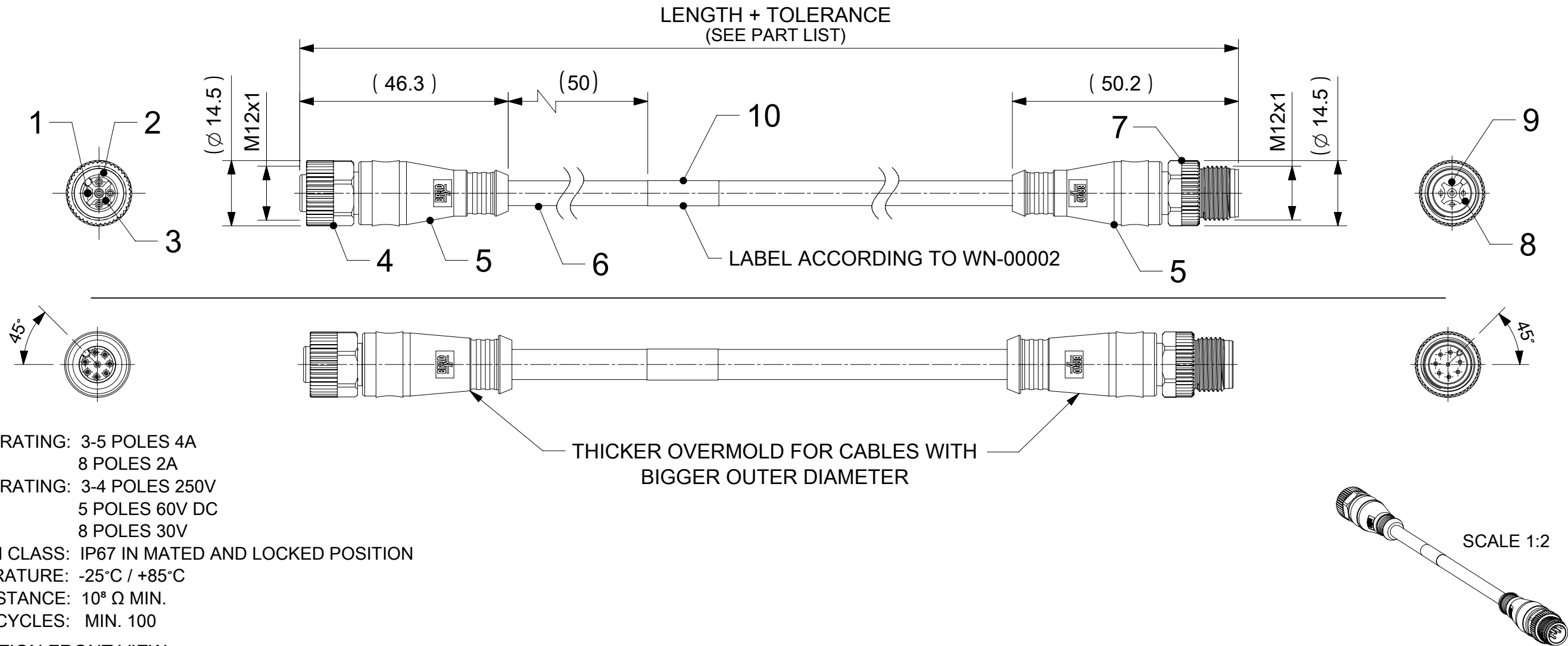


FEMALE PLUG M12 STRAIGHT TO MALE PLUG M12 STRAIGHT



CABLE	3 POLES		4 POLES		5 POLES		5 POLES		8 POLES	
	B30, B55		B30, B33, B36, B55		B30, B33, B36, B55		B42		B41, B49	
FEMALE										
MALE										
CONNECTIONS	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
	1	BROWN	1	BROWN	1	BROWN	1	BROWN	1	WHITE
	2	---	2	WHITE	2	WHITE	2	WHITE	2	BROWN
	3	BLUE	3	BLUE	3	BLUE	3	BLUE	3	GREEN
	4	BLACK	4	BLACK	4	BLACK	4	BLACK	4	YELLOW
	5	---	5	---	5	GREY	5	GREEN/ YELLOW	5	GREY
							5	GREEN/ YELLOW	6	PINK
									7	BLUE
									8	RED

CODING REQUIRED TO IEC 61076-2-101

DOCUMENT STATUS | P1 | RELEASE DATE | 2024/07/02 | 09:17:54

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

10	1	LABEL OR PRINTING	VINYL / ---	---
9	3 / 4 / 5	CONTACT M12 MALE	COPPER	SELECTIVE GOLD OVER NICKEL
	8		BRASS	SELECTIVE GOLD OVER NICKEL
8	1	INSERT MALE BLACK	TPU	---
7	1	COUPLING NUT MALE	SEE SHEET 2	SEE SHEET 2
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOULDING	TPU	SEE SHEET 2
4	1	COUPLING NUT FEMALE	SEE SHEET 2	SEE SHEET 2
3	1	INSERT FEMALE BLACK	PUR	---
2	1	O-RING RED	FPM	---
1	3 / 4 / 5	CONTACT M12 FEMALE	BRONZE	SELECTIVE GOLD OVER NICKEL
	8		BRASS	SELECTIVE GOLD OVER NICKEL
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

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: CHANGED DIMENSIONING STYLE OF OVERALL LENGTH TO "END TO END". ADDED B49 CABLE P/N'S & NOTES. SORTED PART LIST USING CABLE TYPES ON SHEET 3&4.	
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
			A3-SIZE	120066
			MATERIAL NUMBER	CUSTOMER
			SEE SHEET 3 & 4	GENERAL MARKET
			DOCUMENT NUMBER	DOC TYPE DOC PART REVISION
			1200668993	PSD 000 B
				SHEET NUMBER
				1 OF 4

molex

CSE M12 XP AC FE STR WSOR MA STR XM DE

PRODUCT CUSTOMER DRAWING

1200668993

PSD 000 B

GENERAL MARKET

1 OF 4

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

88X030XXXXXX

88=M12x1
Double ended

Poles:
3=3 Poles
4=4 Poles
5=5 Poles
8=8 Poles

Heads style:
030=Plug Female Straight
to Plug Male Straight

Cable type: See Table

Units:
M=Meter
C=Centimeter
T=10x Meter

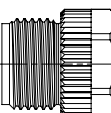
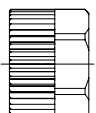
Length
Examples:
005=0.5 units
010=1 units
020=1 units
050=5 units
100=10 units
150=15 units
200=20 units

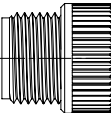
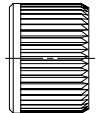
Overmold color:
Blank (Standard)=Black
A=Grey / G=Black / Y=Yellow / R=Red

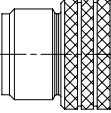
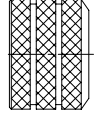
Coupling Nut:
Blank (Standard)=Knurled/Hex Brass, Ni Plated
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated

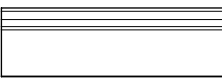
H= 2 pcs. of I/D Carrier PVC Transparent
(Cable B36 always with
2 pcs. I/D Carrier)

FEMALEMALE









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: TEMP. / BENDING RADIUS	DRAG CHAIN	CABLE PRODUCT SPECIFICATION	CABLE SPEC. DRAWING
B30	3 / 4 / 5	0.34mm²	TPU Black	UL 21215/758	C22.2 I/II A/B 80°/600V	-40°C to +90°C 5xO.D.	-25°C to +80°C 7.5xO.D.	-5°C to +60°C 7.5xO.D.	up to 5 000 000 cycles at temp 20°C	1552200001	SD-120209-001
B33	4 / 5	0.34mm²	TPU Gray								SD-120209-001
B36	4 / 5	0.34mm²	TPU Orange								SD-120209-001
B41	8	0.25mm²	TPU Black								SD-120209-006
B42	5	0.34mm²	TPU Black								SD-120209-001
B49	8	0.25mm²	TPU Orange								SD-120209-006
B55	3 / 4 / 5	0.34mm²	TPU Yellow								n/a

CABLE LENGTH TOLERANCES

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

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DIMENSION UNITS

mm

SCALE

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

CURRENT REV DESC: CHANGED DIMENSIONING STYLE OF OVERALL LENGTH TO "END TO END". ADDED B49 CABLE P/N'S & NOTES. SORTED PART LIST USING CABLE TYPES ON SHEET 3&4.

EC NO: 789428
DRWN: AKABADI
CHK'D: RSILLER
APPR: RSILLER

2023/03/08
2024/07/02
2024/07/02

INITIAL REVISION:
DRWN: JMARSZALEK
APPR: RSILLER

2016/07/22
2016/08/29

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

moLEX

CSE M12 XP AC FE STR WSOR MA STR XM DE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200668993

DOC TYPE

PSD

DOC PART

000

REVISION

B

SEE SHEET 3 & 4

GENERAL MARKET

2 OF 4

	10	9	8	7	6	5	4	3	2	1													
F	PART LIST										F												
E	MOLEX PNENGINEERING NoL [mm]			MOLEX PNENGINEERING NoL [mm]								E											
	8P CABLE B41			4P CABLE B55																			
	1200668895	888030B41M006	600	1200669734	884030B55M005Y	500																	
	1200668896	888030B41M010	1000	1200669618	884030B55M010Y	1000																	
	1200665461	888030B41M010R	1000	1200669263	884030B55M020Y	2000																	
	1200668897	888030B41M020	2000	1200669264	884030B55M030Y	3000																	
	1200665462	888030B41M020R	2000	1200669265	884030B55M040Y	4000																	
	1200668898	888030B41M030	3000	1200669266	884030B55M050Y	5000																	
	1200665463	888030B41M030R	3000	1200669267	884030B55M060Y	6000																	
	1200665464	888030B41M040R	4000	1200669418	884030B55M070Y	7000																	
D	1200668899	888030B41M050	5000	1200657251	884030B55M080Y	8000						D											
	1200665465	888030B41M050R	5000	1200657252	884030B55M090Y	9000																	
	1200669177	888030B41M090	9000	1200669268	884030B55M100Y	10000																	
	1200668900	888030B41M100	10000	1200669269	884030B55M120Y	12000																	
	1200669567	888030B41M150	15000	1200669270	884030B55M150Y	15000																	
	1200669568	888030B41M200	20000	1200657253	884030B55M160Y	16000																	
	5P CABLE B42			1200669271	884030B55M200Y	20000																	
	1200668823	885030B42M006	600	1200669742	884030B55M250Y	25000																	
	1200668824	885030B42M010	1000	1200669743	884030B55M300Y	30000																	
	1200668825	885030B42M020	2000	5P CABLE B55																			
C	1200668826	885030B42M030	3000	1200669663	885030B55M010Y	1000						C											
	1200668827	885030B42M050	5000	1200669664	885030B55M020Y	2000																	
	1200668828	885030B42M100	10000	1200669665	885030B55M030Y	3000																	
	1200659548	885030B42M150	15000	1200669666	885030B55M050Y	5000																	
	1200659549	885030B42M200	20000	1200669667	885030B55M100Y	10000																	
	8P CABLE B49			1200669668	885030B55M150Y	15000																	
	1200669112	888030B49M038Y	3800	1200669669	885030B55M200Y	20000																	
											B												
A												A											
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mm		1:1						CSE M12 XP AC FE STR WSOR MA STR XM DE															
GENERAL TOLERANCES (UNLESS SPECIFIED)								PRODUCT CUSTOMER DRAWING															
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER											
DOCUMENT STATUS		P1	RELEASE DATE	2024/07/02	09:17:54	A3-SIZE		120066	SEE SHEET 3 & 4	GENERAL MARKET	4 OF 4												
FORMAT: mox9916-005A3 REVISION: 1 DATE: 2020/01/11																							
10	9	8	7	6	5	4	3	2	1														