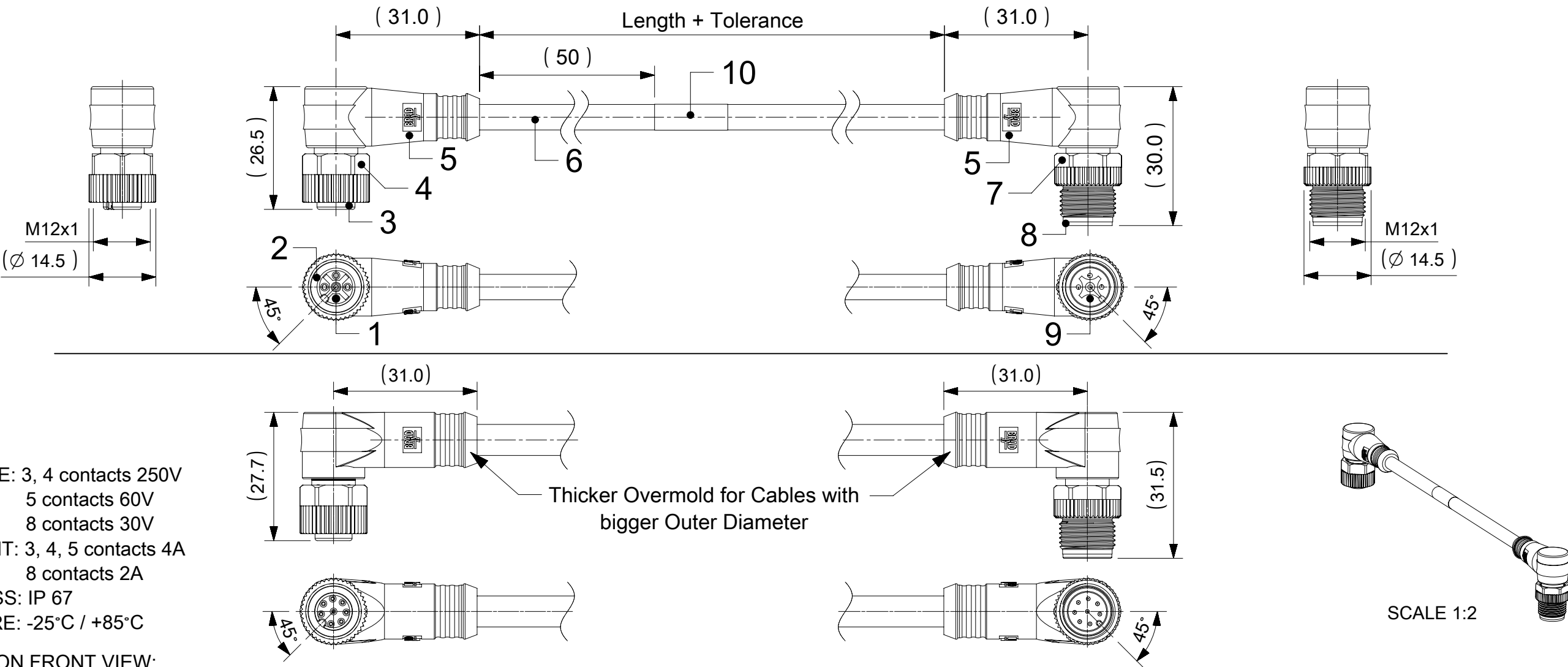
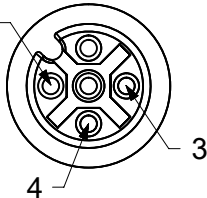
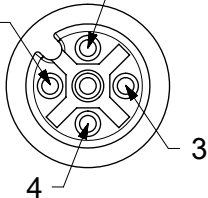
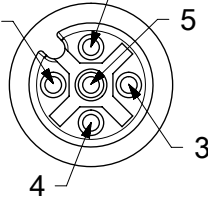
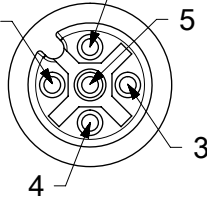
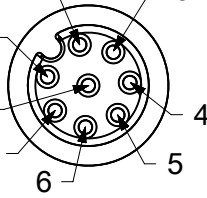
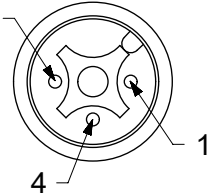
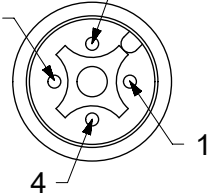
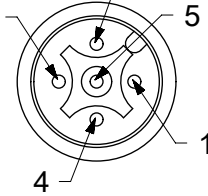
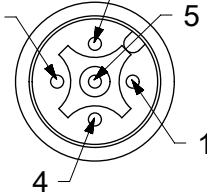
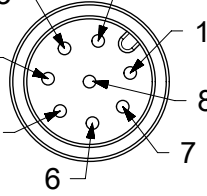


FEMALE PLUG M12 90° ANGLED TO MALE PLUG M12 90° ANGLED



NOTES:
RATED VOLTAGE: 3, 4 contacts 250V
5 contacts 60V
8 contacts 30V
RATED CURRENT: 3, 4, 5 contacts 4A
8 contacts 2A
PROTECTION CLASS: IP 67
TEMPERATURE: -25°C / +85°C

CONTACTS POSITION FRONT VIEW:

3 CONTACTS		4 CONTACTS		5 CONTACTS		5 CONTACTS		8 CONTACTS		
CABLE	B30, B55	B30, B33, B36, 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
									6	PINK
									7	BLUE
						8			RED	
CODING REQUIRED TO IEC 61076-2-101										

CODING REQUIRED TO IEC 61076-2-101

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

11	SEE SHEET 2	I/D CARRIER	PVC	TRANSPARENT
10	1	LABEL YELLOW	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 SW13	BRASS	SEE SHEET 2
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOULDING	TPU	SEE SHEET 2
4	1	COUPLING NUT FEMALE SW13	BRASS	SEE SHEET 2
3	1	INSERT FEMALE BLACK	TPU	---
2	1	ORING 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											
FUNCTIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: ADDED NEW PNS			molex			
	mm		1:1								
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 695290 DRWN: MDHARMANTI 2021/12/02 CHK'D: RSILLER 2022/02/11 APPR: RSILLER 2022/02/11			CSE M12 XP AC FE RA WSOR MA RA XM DE			
	ANGULAR TOL ± 1.0 °										
DIVISIONAL SYMBOLS	4 PLACES ±		INITIAL REVISION: DRWN: JMARSZALEK 2016/10/12 APPR: RSILLER 2016/10/18								DOCUMENT NUMBER
	3 PLACES ±				1200669011		PSD	000	A4		
	2 PLACES ± 0.05				MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
	1 PLACE ± 0.3										
	0 PLACES ± 0.5										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION	DRAWING	SERIES	SEE SHEET 3	GENERAL MARKET		1 OF 3	
					A3-SIZE	120066					

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

OPTIONS

8	8	X	0	3	3	X	X	X	X	X	X	X	X
---	---	---	---	---	---	---	---	---	---	---	---	---	---

88=M12x1
Double ended

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

Heads style:
033=Plug Female 90°
to Plug Male 90°

Cable type: See Table

Units:
M=Meter
C=Centimeter

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

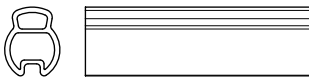
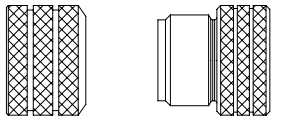
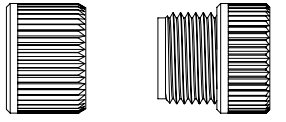
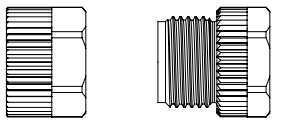
Overmold color:
Blank (Standard)=Black
A=Grey / G=Black / Y=Yellow / R=Red

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
(Cables B36 always with 2 pcs. I/D Carrier)

COUPLING NUT

FEMALE MALE



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	0.34mm ²	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	0.34mm ²	TPU Gray								SD-120209-002
B36	4	0.34mm ²	TPU Orange								SD-120209-003
B41	8	0.25mm ²	TPU Black								SD-120209-006
B42	5	0.34mm ²	TPU Black								SD-120209-007
B55	4 / 5	0.34mm ²	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

FUNCTIONAL 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: ADDED NEW PNS				molex								
	mm		1:1														
	= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				CSE M12 XP AC FE RA WSOR MA RA XM DE											
= 0	ANGULAR TOL ± 1.0 °																
= 0	4 PLACES		±		EC NO: 695290				PRODUCT CUSTOMER DRAWING								
DIVISIONAL SYMBOLS	3 PLACES		±		DRWN: MDHARMANTI 2021/12/02												
	2 PLACES		± 0.05		CHK'D: RSILLER 2022/02/11												
	1 PLACE		± 0.3		APPR: RSILLER 2022/02/11												
	0 PLACES		± 0.5		INITIAL REVISION: DRWN: JMARSZALEK 2016/10/12 APPR: RSILLER 2016/10/18												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION				DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
								A3-SIZE		120066		SEE SHEET 3		GENERAL MARKET		2 OF 3	

10		9		8		7		6		5		4		3		2		1												
PART LIST																														
F	No. Part No. Engineering No. Cable Length (mm)				No. Part No. Engineering No. Cable Length				No. Part No. Engineering No. Cable Length				No. Part No. Engineering No. Cable Length																	
E																														

<