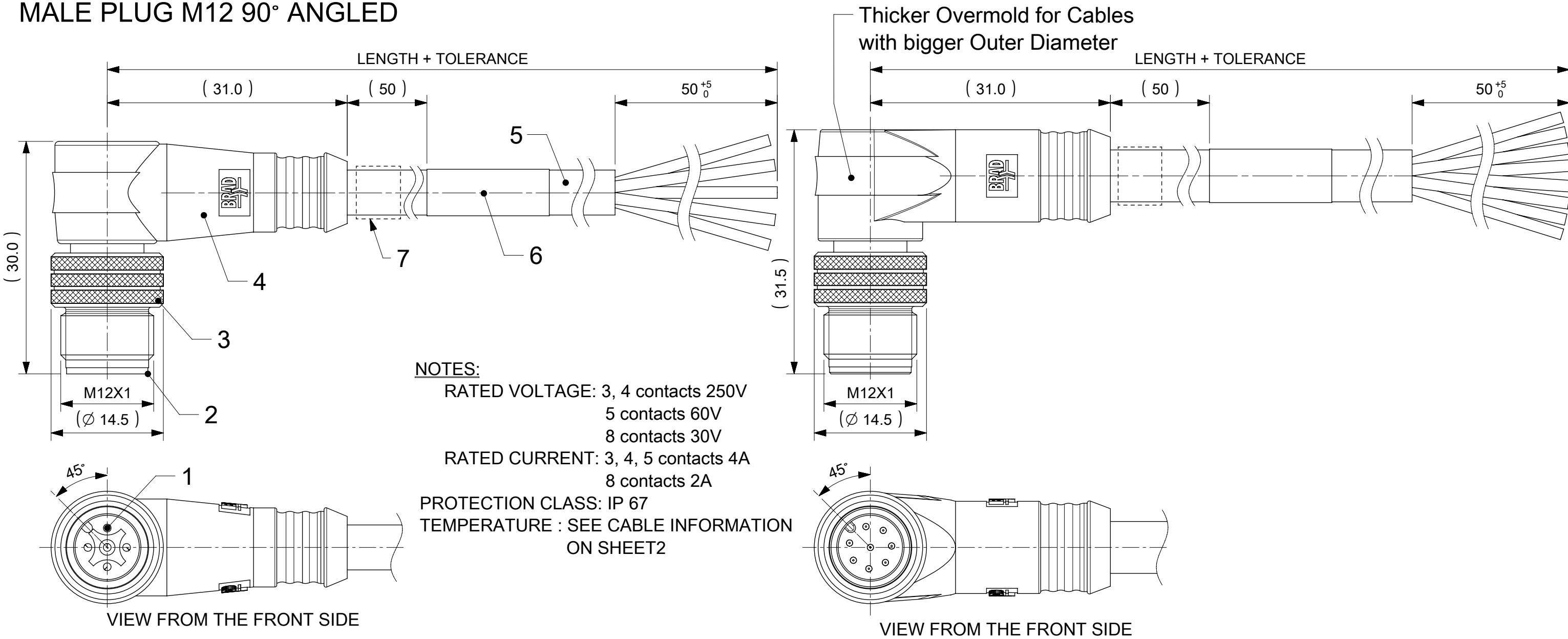


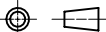
MALE PLUG M12 90° ANGLED



CONTACTS POSITION FRONT VIEW:

3 CONTACTS		4 CONTACTS		5 CONTACTS		8 CONTACTS	
PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
1	BROWN	1	BROWN	1	BROWN	1	WHITE
2	---	2	WHITE	2	WHITE	2	BROWN
3	BLUE	3	BLUE	3	BLUE	3	GREEN
4	BLACK	4	BLACK	4	BLACK	4	YELLOW
5	---	5	---	5	GREY	5	GREY
						6	PINK
						7	BLUE
						8	RED
CODING REQUIRED TO IEC 61076-2-101							

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

7	0 OR 2	I/D CARRIER (SEE MATRIX)	PVC	TRANSPARENT			
6	1	LABEL YELLOW	VINYL	---			
5	-	CABLE	SEE SHEET 2	---			
4	-	OVERMOULDING BLACK	TPU	---			
3	1	COUPLING NUT MALE	BRASS	NICKEL			
2	1	INSERT MALE BLACK	PUR	---			
1	3 / 4 / 5 / 8	CONTACT M12 MALE	BRASS	SELECTIVE Au OVER Ni			
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		molex CSE M12 XP AC MA RA XM SE UNSH			
mm		2:1					
GENERAL TOLERANCES (UNLESS SPECIFIED)		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#514486					
ANGULAR TOL ± 1.0 °							
4 PLACES ±							
3 PLACES ±		EC NO: 774109		PRODUCT CUSTOMER DRAWING			
2 PLACES ± 0.05		DRWN: VISHAH2 2023/12/20					
1 PLACE ± 0.3		CHK'D: GGA 2024/01/29					
0 PLACES ± 0.5		APPR: GGA 2024/01/29					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		INITIAL REVISION:			DOCUMENT NUMBER	DOC TYPE	DOC PART
THIRD ANGLE PROJECTION		DRAWING	SERIES	1200659138	PSD	000	A8
		A3-SIZE	120065	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER
				SEE SHEET 3	GENERAL MARKET		1 OF 3

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

OPTIONS

8 0 X 0 0 7 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:
007=Plug Male
90° Angled

Cable type: See Table

Units:
M=Meter

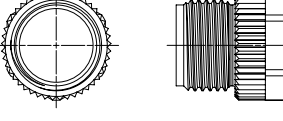
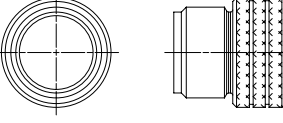
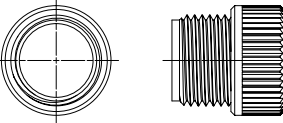
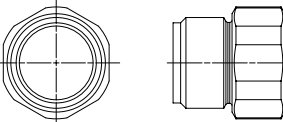
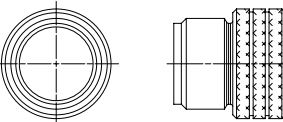
Length
Examples:
005=0.5 unit
010=1 unit
100=10 units

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

Coupling Nut:
Blank (Standard) & 3=Knurled Brass Ni Plated
1=Hexagonal Stainless steel
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated
9=Knurled / Hexagonal Brass Ni Plated

H= 2 pcs. of I/D Carrier PVC Transparent

COUPLING NUTS

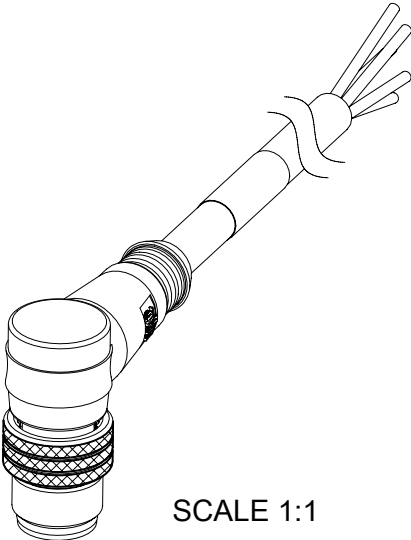


CABLE INFORMATION (for more information see Cable Data Sheet).

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	SHIELD
E02	3 / 4 / 5 / 8	0.25mm²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
E03	3 / 4 / 5	0.34mm²	PVC BLACK	UL 2464/1729	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 / 5 / 8	0.25mm²	PUR BLACK LS0H	UL 21198/10493	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 at 20°C, Temp. range +5°C to +60°C	-
H09	3 / 4 / 5	0.34mm²	PUR BLACK LS0H	UL 21198/10493	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 at 20°C, Temp. range +5°C to +60°C	-
P02	3 / 4 / 5 / 8	0.25mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
P03	3 / 4 / 5	0.34mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
E13	3	18AWG	PVC YELLOW	UL 2661/1731	I/II A/B 80°C/300V	-	-	-	-
E52	3 / 4 / 8	0.34mm²	PVC GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
H69	4	0.20mm²	PUR GREY LS0H	-	-	-	-	-	-
I03	3 / 4 / 5	0.34mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
K03	4 / 5	0.34mm²	TPE YELLOW	-	I/II A/B 90°C/300V	-40°C to +105°C	-	-	-
K05	3 / 4 / 5	0.34mm²	TPE YELLOW	UL ITC E195601 or PLC	I/II A/B 90°C/300V	-	-	-	-
P12	3 / 5	0.50mm²	PUR BLACK	-	-	-30°C to +90°C	-5°C to +90°C	-	-
P82	3 / 4 / 5	0.34mm²	PUR IRR ORANGE	-	-	-50°C to +105°C, 5xO.D.	-40°C to +105°C, 7.5xO.D.	-	-

CABLE LENGTH TOLERANCES

OVER	UP TO AND INCLUDING	TOLERANCES
0	305mm	+19mm
305mm	915mm	+45mm
915mm	1830mm	+56mm
1830mm	3660mm	+89mm
3660mm	7320mm	+165mm
7320mm	14640mm	+317mm
14640mm	30500mm	+610mm
30500mm	>	+2% of finished length



SCALE 1:1

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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#514486				molex CSE M12 XP AC MA RA XM SE UNSH PRODUCT CUSTOMER DRAWING					
mm		1:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 774109 DRWN: VISHAH2 2023/12/20 CHK'D: GGA 2024/01/29 APPR: GGA 2024/01/29									
ANGULAR TOL ± 1.0 °													
4 PLACES		±											
3 PLACES		±											
2 PLACES		± 0.05											
1 PLACE		± 0.3		INITIAL REVISION: DRWN: JMARSZALEK 2016/01/14 APPR: RSILLER 2016/04/08				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
0 PLACES		± 0.5						1200659138		PSD	000	A8	
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	

DOCUMENT STATUS	P1	RELEASE DATE	2024/01/29	05:14:37
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10		9		8		7		6		5		4		3		2		1			
PART LIST																					
F	No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length					
	1	1200060273	803007E03M020	2m	36	1200651688	804007K03M050	5m	71	1200658723	803007H09M030	3m	106	1200657170	804007E03M015	1.5m					
	2	1200060275	803007E03M050	5m	37	1200651691	804007K05M020	2m	72	1200658724	803007H09M040	4m	107	1200657171	804007E03M060	6m					
	3	1200060288	803007P03M020	2m	38	1200651693	804007K05M050	5m	73	1200658725	803007H09M050	5m	108	1200657172	804007E03M080	8m					
	4	1200060289	803007P03M030	3m	39	1200651800	808007P02M020	2m	74	1200658726	803007H09M100	10m	109	1200657173	804007E03M120	12m					
	5	1200060582	804007E03M010	1m	40	1200652026	804007K03M100	10m	75	1200658734	804007H09M010	1m	110	1200657174	804007E03M150	15m					
	6	1200060583	804007E03M030	3m	41	1200652145	804007P03M040	4m	76	1200658735	804007H09M015	1.5m	111	1200657175	804007E03M300	30m					
	7	1200060584	804007E03M050	5m	42	1200652149	805007P03M060	6m	77	1200658736	804007H09M020	2m	112	1200657325	804007E03M250	25m					
	8	1200060589	804007I03M020	2m	43	1200652159	805007K03M020	2m	78	1200658737	804007H09M030	3m	113								
	9	1200060592	804007P03M020	2m	44	1200652161	805007K03M050	5m	79	1200658738	804007H09M040	4m	114								
E	10	1200060593	804007P03M030	3m	45	1200655006	805007P03M100	10m	80	1200658739	804007H09M050	5m	115								
	11	1200060594	804007P03M050	5m	46	1200658096	805007E03M020	2m	81	1200658740	804007H09M100	10m	116								
	12	1200060595	804007P03M100	10m	47	1200658186	805007P03M050	5m	82	1200658748	805007H09M010	1m	117								
	13	1200060696	805007P03M015	1.5m	48	1200658229	803007E13M050	5m	83	1200658749	805007H09M015	1.5m	118								
	14	1200060697	805007P03M020	2m	49	1200658235	804007E03M2501	25m	84	1200658750	805007H09M020	2m	119								
	15	1200060699	805007P03M040	4m	50	1200658327	805007I03M015	1.5m	85	1200658751	805007H09M030	3m	120								
	16	1200061764	804007P03M010	1m	51	1200658506	803007E03M100	10m	86	1200658752	805007H09M040	4m	121								

No.	Part No.	Engineering No.	Cable Length
36	1200651688	804007K03M050	5m
37	1200651691	804007K05M020	2m
38	1200651693	804007K05M050	5m
39	1200651800	808007P02M020	2m
40	1200652026	804007K03M100	10m
41	1200652145	804007P03M040	4m
42	1200652149	805007P03M060	6m
43	1200652159	805007K03M020	2m
44	1200652161	805007K03M050	5m
45	1200655006	805007P03M100	10m
46	1200658096	805007E03M020	2m
47	1200658186	805007P03M050	5m
48	1200658229	803007E13M050	5m
49	1200658235	804007E03M2501	25m
50	1200658327	805007I03M015	1.5m
51	1200658506	803007E03M100	10m
52	1200658515	804007E03M0501H	5m
53	1200658516	804007E03M1001H	10m
54	1200658522	805007P12M020	2m
55	1200658567	803007E03M010	1m
56	1200658568	803007E03M030	3m
57	1200658569	803007E03M040	4m
58	1200658572	804007E03M040	4m
59	1200658596	803007I03M010	1m
60	1200658597	803007I03M040	4m
61	1200658598	803007I03M100	10m
62	1200658602	804007I03M010	1m
63	1200658603	804007I03M030	3m
64	1200658604	804007I03M040	4m
65	1200658614	803007P03M040	4m
66	1200658615	803007P03M010	1m
67	1200658618	803007P03M100	10m
68	1200658720	803007H09M010	1m
69	1200658721	803007H09M015	1.5m
70	1200658722	803007H09M020	2m

No.	Part No.	Engineering No.	Cable Length
106	1200657170	804007E03M015	1.5m
107	1200657171	804007E03M060	6m
108	1200657172	804007E03M080	8m
109	1200657173	804007E03M120	12m
110	1200657174	804007E03M150	15m
111	1200657175	804007E03M300	30m
112	1200657325	804007E03M250	25m
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FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01

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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#514486			molex					
mm		1:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 774109 DRWN: VISHAH2 2023/12/20 CHK'D: GGA 2024/01/29 APPR: GGA 2024/01/29								
ANGULAR TOL ± 1.0°												
4 PLACES		±										
3 PLACES		±										
2 PLACES		± 0.05										
1 PLACE		± 0.3		PRODUCT CUSTOMER DRAWING								
0 PLACES		± 0.5										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				INITIAL REVISION:			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
				DRWN: JMARSZALEK 2016/01/14 APPR: RSILLER 2016/04/08			1200659138		PSD	000	A8	
THIRD ANGLE PROJECTION				DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
				A3-SIZE		120065		SEE PART LIST		GENERAL MARKET		3 OF 3