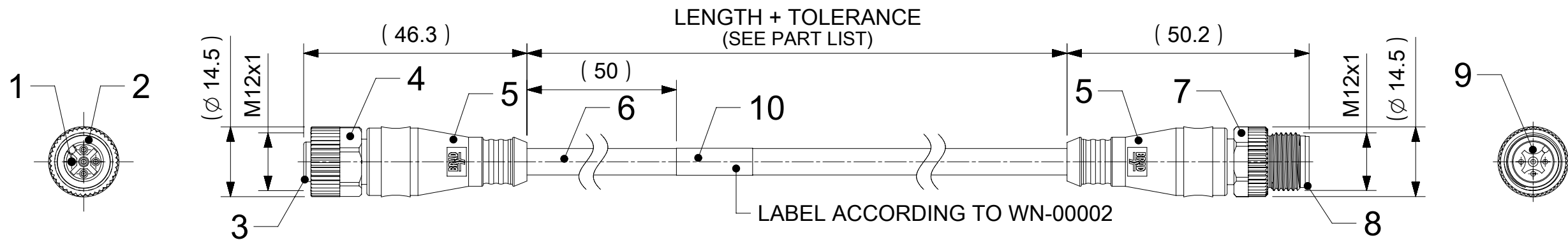


FEMALE PLUG M12 STRAIGHT TO MALE PLUG M12 STRAIGHT

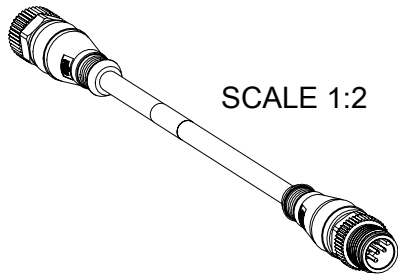


NOTES:
CONTACT CURRENT RATING: 3-5 POLES 4A
8 POLES 2A
VOLTAGE RATING: 3-4 POLES 250V
5 POLES 60V DC
8 POLES 30V
PROTECTION CLASS: IP 67
TEMPERATURE: -25°C / +85°C

CONTACT POSITION FRONT VIEW:

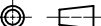
3 POLES		4 POLES		5 POLES		5 POLES		8 POLES		
CABLE	B30, B55	B30, B33, B36, B55	B30, B33, B36, B55	B30, B33, B36, B55	B42	B41, B49				
FEMALE										
MALE										
CONNECTIONS	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
	1	BROWN	1	BROWN	1	BROWN	1	BROWN	1	WHITE
	2	---	2	WHITE	2	WHITE	2	WHITE	2	BROWN
	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



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	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															
DIMENSION UNITS		SCALE		CURRENT REV DESC: NEW P/N'S ADDED			molex								
mm		1:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)				CSE M12 XP AC FE STR WSOR MA STR XM DE											
ANGULAR TOL ± 1.0 °															
4 PLACES		±		EC NO: 687807		PRODUCT CUSTOMER DRAWING									
3 PLACES		±		DRWN: RSCHIEBER 2021/12/01											
2 PLACES		± 0.05		CHK'D: RSILLER 2021/12/07											
1 PLACE		± 0.3		APPR: RSILLER 2021/12/07		DOCUMENT NUMBER 1200668993									
0 PLACES		± 0.5		INITIAL REVISION: DRWN: JMARSZALEK 2016/07/22 APPR: RSILLER 2016/08/29						DOC TYPE PSD		DOC PART 000		REVISION A16	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING A3-SIZE		SERIES 120066		MATERIAL NUMBER SEE SHEET 3 & 4		CUSTOMER GENERAL MARKET		SHEET NUMBER 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

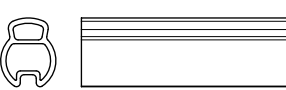
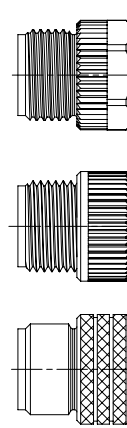
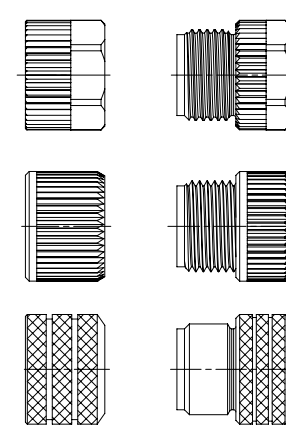
Length
Examples:
005=0.5 units
010=1 units
020=1 units
050=5 units
100=10 units
150=15 units
200=20 units

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 UNITSSCALE

mm1:1

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: NEW P/N'S ADDED

EC NO: 687807
DRWN: RSCHIEBER
CHK'D: RSILLER
APPR: RSILLER

2021/12/01
2021/12/07
2021/12/07

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

DOC TYPE

DOC PART

REVISION

1200668993

PSD

000

A16

SEE SHEET 3 & 4

GENERAL MARKET

2 OF 4

	10	9	8	7	6	5	4	3	2	1		
PART LIST												
	Lp.	MOLEX PN	ENGINEERING No	L [mm]	Lp.	MOLEX PN	ENGINEERING No	L [mm]	Lp.	MOLEX PN	ENGINEERING No	L [mm]
	1	1200656067	885030B30M005H	500	31	1200668893	883030B30M050	5000	61	1200669031	884030B36M3007Y	30000
	2	1200659548	885030B42M150	15000	32	1200668894	883030B30M100	10000	62	1200669032	885030B36M0057Y	500
	3	1200659549	885030B42M200	20000	33	1200668895	888030B41M006	600	63	1200669033	885030B36M0107Y	1000
	4	1200659666	885030B30M005	500	34	1200668896	888030B41M010	1000	64	1200669034	885030B36M0207Y	2000
	5	1200659667	885030B30M025	2500	35	1200668897	888030B41M020	2000	65	1200669035	885030B36M0307Y	3000
	6	1200665456	884030B30M010R	1000	36	1200668898	888030B41M030	3000	66	1200669036	885030B36M0407Y	4000
	7	1200665457	884030B30M020R	2000	37	1200668899	888030B41M050	5000	67	1200669037	885030B36M0507Y	5000
	8	1200665458	884030B30M030R	3000	38	1200668900	888030B41M100	10000	68	1200669038	885030B36M0607Y	6000
	9	1200665459	884030B30M040R	4000	39	1200668913	884030B30M150	15000	69	1200669039	885030B36M0807Y	8000
	10	1200665460	884030B30M050R	5000	40	1200668914	884030B30M200	20000	70	1200669040	885030B36M1007Y	10000
	11	1200665461	888030B41M010R	1000	41	1200668915	884030B30M250	25000	71	1200669041	885030B36M1207Y	12000
	12	1200668817	884030B30M006	600	42	1200668916	884030B30M300	30000	72	1200669042	885030B36M1507Y	15000
	13	1200668818	884030B30M010	1000	43	1200668991	885030B30M006	600	73	1200669043	885030B36M1807Y	18000
	14	1200668819	884030B30M020	2000	44	1200668992	885030B30M010	1000	74	1200669044	885030B36M2007Y	20000
	15	1200668820	884030B30M030	3000	45	1200668993	885030B30M020	2000	75	1200669045	885030B36M2507Y	25000
	16	1200668821	884030B30M050	5000	46	1200668994	885030B30M030	3000	76	1200669046	885030B36M3007Y	30000
	17	1200668822	884030B30M100	10000	47	1200668995	885030B30M050	5000	77	1200669112	888030B49M038Y	3800
	18	1200668823	885030B42M006	600	48	1200668996	885030B30M100	10000	78	1200669140	885030B36M8507Y	85000
	19	1200668824	885030B42M010	1000	49	1200669019	884030B36M0057Y	500	79	1200669144	884030B30M025	2500
	20	1200668825	885030B42M020	2000	50	1200669020	884030B36M0107Y	1000	80	1200669145	885030B30M015	1500
	21	1200668826	885030B42M030	3000	51	1200669021	884030B36M0157Y	1500	81	1200669157	884030B30M002	200
	22	1200668827	885030B42M050	5000	52	1200669022	884030B36M0207Y	2000	82	1200669158	884030B30M030R	3000
	23	1200668828	885030B42M100	10000	53	1200669023	884030B36M0307Y	3000	83	1200669177	888030B41M090	9000
	24	1200668859	884030B36M0507Y	5000	54	1200669024	884030B36M0407Y	4000	84	1200669181	884030B30M040	4000
	25	1200668860	884030B36M1007Y	10000	55	1200669025	884030B36M0607Y	6000	85	1200669182	884030B30M060	6000
	26	1200668863	884030B30M070	7000	56	1200669026	884030B36M0807Y	8000	86	1200669223	884030B33M010	1000
	27	1200668889	883030B30M006	600	57	1200669027	884030B36M1207Y	12000	87	1200669224	884030B33M020	2000
	28	1200668890	883030B30M010	1000	58	1200669028	884030B36M1507Y	15000	88	1200669225	884030B33M030	3000
	29	1200668891	883030B30M020	2000	59	1200669029	884030B36M2007Y	20000	89	1200669226	884030B33M050	5000
	30	1200668892	883030B30M030	3000	60	1200669030	884030B36M2507Y	25000	90	1200669242	885030B30M0107	1000

