

CONTACT POSITION FRONT VIEW
FEMALE MALE

3 POLE

PIN	WIRE
1	BROWN
3	BLUE
4	BLACK

4 POLE

PIN	WIRE
1	BROWN
2	WHITE
3	BLUE
4	BLACK

5 POLE

PIN	WIRE
1	BROWN
2	WHITE
3	BLUE
4	BLACK
5	GREY

8 POLE

PIN	WIRE
1	WHITE
2	BROWN
3	GREEN
4	YELLOW
5	GRAY
6	PINK
7	BLUE
8	RED

3 POLE

PIN	WIRE
1	BROWN
3	BLUE
4	BLACK

4 POLE

PIN	WIRE
1	BROWN
2	WHITE
3	BLUE
4	BLACK

5 POLE

PIN	WIRE
1	BROWN
2	WHITE
3	BLUE
4	BLACK
5	GREY

8 POLE

PIN	WIRE
1	WHITE
2	BROWN
3	GREEN
4	YELLOW
5	GRAY
6	PINK
7	BLUE
8	RED

SHIELD CONNECTED TO
THE COUPLING NUT FROM BOTH SIDE

DOCUMENT STATUS	P1	RELEASE DATE	2023/12/22	02:51:05
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ENGINEERING No -NUMERICAL CODE
(Available parts see PART LIST table. Other parts available upon request.)

8

8

X

S

3

0

B

S

X

M

X

X

X

H

88 = M12x1
DOUBLE ENDED

POLES:
3 = 3 POLES
4 = 4 POLES
5 = 5 POLES
8 = 8 POLES

HEADER:
S30 = FEMALE STRAIGHT - MALE STRAIGHT

CABLE TYPE:
BS1= 0.34mm² TPU, SHLD BK
BS2= 0.25mm² TPU, SHLD BK

UNIT:
M = METER

LENGTH:
EXAMPLE:
010 = 1 m
050 = 5 m
100 = 10 m

H=2x ID CARRIER

COUPLING NUT:
BLANK = KNU/HEX
7 = TEFLON KNU

OVERMOULD:
BLANK = BLACK
A = GREY
G = BLACK
Y = YELLOW

VIEW FROM THE FRONT SIDE
SCALE 2:1

VIEW FROM THE FRONT SIDE
SCALE 2:1

NOTES:

CONTACT CURRENT RATING:
3-5 POLES 4A
8 POLES 2A

VOLTAGE RATING
3-4 POLES 250V
5 POLES 60V
8 POLES 30V

PROTECTION CLASS IP67

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
= 0	mm	1:1
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
= 0	ANGULAR TOL ± 1.0 °	
DIVISIONAL SYMBOLS	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

CURRENT REV DESC: NEW P/N ADDED			molex		
EC NO: 772068 DRWN: RSCHIEBER CHK'D: RSILLER APPR: RSILLER			CSE M12 M12 XP AC FE STR WSOR MA STR XM		
INITIAL REVISION: DRWN: RSCHIEBER APPR: RSILLER			PRODUCT CUSTOMER DRAWING		
2023/12/14 2023/12/22 2023/12/22			DOCUMENT NUMBER	DOC TYPE	DOC PART
			1200698654	PSD	000
			SEE SHEET 2	GENERAL MARKET	1 OF 2

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REVISION: 11
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PART LIST

MOLEX PN	ENGINEERING No	L+Tol. [mm]
1200698644	883S30BS1M010	1000 +40
1200698645	883S30BS1M020	2000 +60
1200698646	883S30BS1M030	3000 +60
1200698647	883S30BS1M050	5000 +60
1200698648	883S30BS1M100	10000 +80

MOLEX PN	ENGINEERING No	L+Tol. [mm]
1200698649	884S30BS1M010	1000 +40
1200698650	884S30BS1M020	2000 +60
1200699353	884S30BS1M025	2500 +60
1200698651	884S30BS1M030	3000 +60
1200698652	884S30BS1M050	5000 +60
1200698653	884S30BS1M100	10000 +80

MOLEX PN	ENGINEERING No	L+Tol. [mm]
1200699539	885S30BS1M005	500 +40
1200698654	885S30BS1M010	1000 +40
1200698757	885S30BS1M015	1500 +60
1200698655	885S30BS1M020	2000 +60
1200698656	885S30BS1M030	3000 +60
1200698758	885S30BS1M040	4000 +60
1200698657	885S30BS1M050	5000 +60
1200698658	885S30BS1M100	10000 +80
1200699482	885S30BS1M100H	10000 +80
1200699061	885S30BS1M200	20000 +140
1200699483	885S30BS1M200H	20000 +140
1200699762	885S30BS1M030H	3000 +60
1200699763	885S30BS1M150H	15000 +140
1200699764	885S30BS1M300H	30000 +160

MOLEX PN	ENGINEERING No	L+Tol. [mm]
1200698659	888S30BS2M010	1000 +40
1200698835	888S30BS2M015	1500 +60
1200698660	888S30BS2M020	2000 +60
1200698836	888S30BS2M025	2500 +60
1200698661	888S30BS2M030	3000 +60
1200698837	888S30BS2M040	4000 +60
1200698662	888S30BS2M050	5000 +60
1200698848	888S30BS2M060	6000 +80
1200699815	888S30BS2M070	7000 +80
1200698663	888S30BS2M100	10000 +80
1200698998	888S30BS2M150	15000 +140
1200699394	888S30BS2M200	20000 +140
1200699600	888S30BS2M500	50000 +500
1200699754	888S30BS2M300	30000 +160

A

CABLE SPECIFICATION

CABLE TYPE	WIRE GAUGE	CABLE JACKET	UL	CSA	static	flexing	drag chain tested	shield	other
BS1 3P,4P,5P	0.34mm ²	TPU black	STYLE 21215	yes	-40°C to +90°C 5xD	-25°C to +80°C 7.5xD	5 mio cycles	braid	WELD SLAG RESISTANCE
BS2 8P	0.25mm ²								

For Raw Cable Specification see SD-120209-003

BILL OF MATERIAL

11	2	ID CARRIER (SEE MATRIX)	PVC	-
10	1	LABEL YE	VINYL	-
9	1	INSERT XP MA M12 SH BK	PUR	-
8	X	CONTACT MA	BRASS	GOLD OVER Ni-PLATED
7	1	KNU/HEX NUT M12 MA	BRASS	Ni-PLATED
6	1	GASKET RD	FPM	-
5	1	INSERT XP FE M12 SH BK	PUR	-
4	X	CONTACT FE	BRASS	GOLD OVER Ni-PLATED
3	1	KNU/HEX NUT M12 FE	BRASS	Ni-PLATED
2	-	OVERMOULD BK	TPU	-
1	-	CABLE	SEE SHEET 2	-
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

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

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 DIVISIONAL SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: NEW P/N ADDED		molex CSE M12 M12 XP AC FE STR WSOR MA STR XM					
		mm		1:1									
		GENERAL TOLERANCES (UNLESS SPECIFIED)											
		ANGULAR TOL ± 1.0°		EC NO: 772068				PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER 1200698654 DOC TYPE PSD DOC PART 000 REVISION A					
		4 PLACES ±		DRWN: RSCHIEBER 2023/12/14									
3 PLACES ±		CHK'D: RSILLER 2023/12/22											
2 PLACES ± 0.05		APPR: RSILLER 2023/12/22		INITIAL REVISION: DRWN: RSCHIEBER 2023/12/14 APPR: RSILLER 2023/12/22									
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		120069		SEE PART LIST		GENERAL MARKET		2 OF 2	

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DATE: 2021/05/01

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8

7

6

5

4

3

2

1