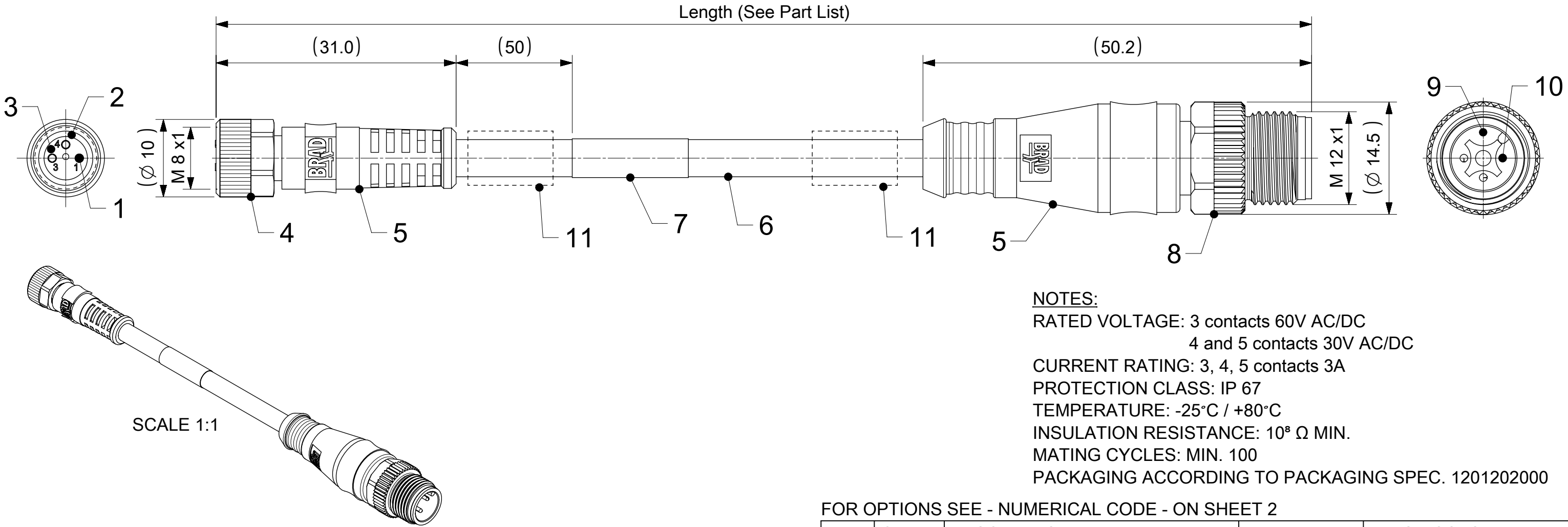


FEMALE PLUG M8 STRAIGHT TO MALE PLUG M12 STRAIGHT WSOR CABLES



NOTES:
RATED VOLTAGE: 3 contacts 60V AC/DC
4 and 5 contacts 30V AC/DC
CURRENT RATING: 3, 4, 5 contacts 3A
PROTECTION CLASS: IP 67
TEMPERATURE: -25°C / +80°C
INSULATION RESISTANCE: 10⁸ Ω MIN.
MATING CYCLES: MIN. 100
PACKAGING ACCORDING TO PACKAGING SPEC. 1201202000

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR
1	3 / 4 / 5	CONTACT M8 FEMALE	BRONZE	SELECTIVE Au OVER Ni
2	1	O-RING	FKM	RED
3	1	INSERT FEMALE M8	TPU	BLACK
4	1	COUPLING NUT M8 FEMALE SW9	BRASS	SEE MATRIX
5	-	OVERMOULDING	TPU	SEE MATRIX
6	-	CABLE	SEE SHEET 2	---
7	1	LABEL	VINYL	YELLOW
8	1	COUPLING NUT M12 MALE SW13	BRASS	SEE MATRIX
9	1	INSERT MALE M12	TPU	BLACK
10	3 / 4 / 5	CONTACT M8 MALE	BRONZE	SELECTIVE Au OVER Ni
11	0 / 2	ID CARRIER (SEE MATRIX)	PVC	TRANSPARENT

CONTACTS POSITION FRONT VIEW:						
M8 - FEMALE	3 CONTACTS		4 CONTACTS		5 CONTACTS	
M12 - MALE	3 CONTACTS		4 CONTACTS		5 CONTACTS	
CONNECTIONS	PIN	WIRE	PIN	WIRE	PIN	WIRE
	1	BROWN	1	BROWN	1	BROWN
	3	BLUE	2	WHITE	2	WHITE
	4	BLACK	3	BLUE	3	BLUE
			4	BLACK	4	BLACK
					5	GREY
CODING M8 ACCORDING TO IEC 61076-2-104 CODING M12 ACCORDING TO IEC IEC 61076-2-101						

FUNCTIONAL SYMBOLS

$\nabla A = 0$

$\nabla E = 0$

$\nabla F = 0$

DIVISIONAL SYMBOLS

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DIMENSION UNITS

mm

SCALE

2:1

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: AS PER THE PCN-513749 CHANGED DIMENSIONING STYLE OF OVERALL LENGTH TO "END TO END". ADDED NOTES ON PACKAGING SPEC. INSULATION RESISTANCE & MATING CYCLES. SORTED PART LIST USING CABLE TYPES ON SHEET 3,

EC NO: 789428

DRWN: AKABADI

CHK'D: RSILLER

APPR: RSILLER

2023/09/29

2024/07/02

2024/07/02

INITIAL REVISION:

DRWN: JMARSZALEK

APPR: MIWASIECZKO

2016/09/14

2017/11/28

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

120087

MATERIAL NUMBER

SEE PART LIST

CUSTOMER

GENERAL MARKET

SHEET NUMBER

1 OF 3

CSE M8 M12 XP ACBC FE STR WSOR MA STR XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200878806

DOC TYPE

PSD

DOC PART

000

REVISION

B

PART LIST

MOLEX PN	ENGINEERING No	L [mm]
3P CABLE B36		
1200878959	483030B36M0037Y	300
4P CABLE B36		
1200878960	484030B36M0037Y	300
3P CABLE B41		
1200878805	483030B41M006	600
1200878938	483030B41M006H	600
1200878806	483030B41M010	1000
1200878939	483030B41M010H	1000
1200878807	483030B41M020	2000
1200878940	483030B41M020H	2000
1200878784	483030B41M030	3000
1200878929	483030B41M030H	3000
1200878785	483030B41M050	5000
1200878930	483030B41M050H	5000
1200878786	483030B41M100	10000
1200878931	483030B41M100H	10000
1200878958	483030B41M150	15000
4P CABLE B41		
1200878793	484030B41M006	600
1200878932	484030B41M006H	600
1200878794	484030B41M010	1000
1200878933	484030B41M010H	1000
1200878795	484030B41M020	2000
1200878934	484030B41M020H	2000
1200878796	484030B41M030	3000
1200878935	484030B41M030H	3000
1200878926	484030B41M040	4000
1200878797	484030B41M050	5000
1200878936	484030B41M050H	5000
1200878798	484030B41M100	10000
1200878937	484030B41M100H	10000
5P CABLE B41		
1200878966	485030B41M005	500
1200878967	485030B41M010	1000
1200878968	485030B41M015	1500
1200878969	485030B41M020	2000
1200878970	485030B41M025	2500

MOLEX PN	ENGINEERING No	L [mm]
3P CABLE B55		
1200878922	483030B55M050	5000

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FUNCTIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: AS PER THE PCN-513749 CHANGED DIMENSIONING STYLE OF OVERALL LENGTH TO "END TO END". ADDED NOTES ON PACKAGING SPEC , INSULATION RESISTANCE & MATING CYCLES. SORTED PART LIST USING CABLE TYPES ON SHEET 3,					molex					
	mm		2:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)														
	ANGULAR TOL		± 1.0 °		EC NO: 789428 DRWN: AKABADI 2023/09/29 CHK'D: RSILLER 2024/07/02 APPR: RSILLER 2024/07/02					CSE M8 M12 XP ACBC FE STR WSOR MA STR XM					
	4 PLACES		±												
	3 PLACES		±		INITIAL REVISION: DRWN: JMARSZALEK 2016/09/14 APPR: MIWASIECZKO 2017/11/28					PRODUCT CUSTOMER DRAWING					
	2 PLACES		± 0.05												
	1 PLACE		± 0.3									DOCUMENT NUMBER		DOC TYPE	
	0 PLACES		± 0.5		1200878806					PSD		000		B	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
						A3-SIZE		120087		SEE PART LIST		GENERAL MARKET		3 OF 3	

10

9

8

7

6

5

4

3

2

1

3 POLES

4 POLES

5 POLES

FEMALE M8 MALE M12

1

2

3

4

5

VIEW FROM THE WIRES SIDE

VIEW FROM THE WIRES SIDE

VIEW FROM THE WIRES SIDE

Pin	Wire color
1	BROWN
2	-
3	BLUE
4	BLACK

Pin	Wire color
1	BROWN
2	WHITE
3	BLUE
4	BLACK
5	GRAY

Pin	Wire color
1	BROWN
2	WHITE
3	BLUE
4	BLACK
5	GRAY

PART No MATRIX

4

8

*

0

3

0

B

*

*

M

*

*

*

*

*

48 = M8x1 M12x1

Poles:
3 = 3 POLES
4 = 4 POLES
5 = 5 POLES

Header:
030 = FEMALE STRAIGHT - MALE STRAIGHT

Cable:
B41 = 0.25mm², TPU BLACK
B49 = 0.25mm², TPU ORANGE

Unit:
M = meter

Length:
Example:
010 = 1 m
050 = 5 m
100 = 10 m

H = 2 pcs. of I/D Carrier
Overmould:
Blank = Black
A = Grey
G = Black
Y = Yellow

Bill of Materials

11	-	CONTACT MALE	SEE MATRIX	SEE MATRIX
10	1	INSERT M12 MALE	SEE MATRIX	SEE MATRIX
9	1	COUPLING NUT MALE M12	BRASS	NI PLATED
8	1	LABEL	-	YELLOW
7	-	ID CARRIER	SEE MATRIX	SEE MATRIX
6	-	MOLDING MATERIAL	SEE MATRIX	SEE MATRIX
5	1	O-RING	FPM	RED
4	-	CONTACT FEMALE	SEE MATRIX	SEE MATRIX
3	1	COUPLING NUT FEMALE M8	BRASS	NI PLATED
2	1	INSERT M8 FEMALE	SEE MATRIX	SEE MATRIX
1	-	CABLE	SEE MATRIX	SEE MATRIX
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

ADDED TABLE WITH PN
SEE SHEET 2
EC NO: IPG2016-0473
DRWN:AKONDRACIU K 2015/10/07
CHKD:MMAJGAT 2015/10/07
APPR:MIWASIECZKO 2015/11/03

QUALITY SYMBOLS
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± --- ± ---
1 PLACE ± --- ± ---
0 PLACE ± --- ± ---
ANGULAR ± 1 °
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY DATE
AKONDRACIU K 2015/09/15
CHECKED BY DATE
MMAJGAT 2015/09/15
APPROVED BY DATE
MIWASIECZKO 2015/09/29
MATERIAL NO.
SEE TABLE 1

SCALE

DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION

TITLE
CSE M8 M12 XP AC FE MA
TPU XM DE
DOCUMENT NO.
SD-120087-058
SHEET NO.
1 OF 2

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Id_frame_A3_P_ME_T
Rev E1 2012/01/25

TABLE 1

MOLEX PN	ENGINEERING No	L [mm]
1200878784	483030B41M030	3000
1200878785	483030B41M050	5000
1200878786	483030B41M100	10000
1200878793	484030B41M006	600
1200878794	484030B41M010	1000
1200878795	484030B41M020	2000
1200878796	484030B41M030	3000
1200878797	484030B41M050	5000
1200878798	484030B41M100	10000
1200878805	483030B41M006	600
1200878806	483030B41M010	1000
1200878807	483030B41M020	2000

Table of length tolerances		
Over	Up to and including	Tolerance (+)
0	1000	+40 0
1000	5000	+60 0
5000	10000	+80 0
10000	20000	+140 0
20000	30000	+160 0
30000	>	+1 % of length

ADDED TABLE WITH PN
SEE SHEET 2
EC NO: IPG2016-0473
DRWN:AKONDRACIU K 2015/10/20
CHKD:MMAJGAT 2015/10/20
APPR:MIWASIECZKO 2015/11/03

DESCRIPTION
REV

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± --- ± ---
1 PLACE ± --- ± ---
0 PLACE ± --- ± ---
ANGULAR ± 1 °
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY DATE
AKONDRACIU K 2015/10/20
CHECKED BY DATE
MMAJGAT 2015/10/20
APPROVED BY DATE
MIWASIECZKO 2015/11/03
MATERIAL NO.
SIZE
A3

SCALE

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

TITLE
CSE M8 M12 XP AC FE MA
TPU XM DE

molex

SD-120087-058

DOCUMENT NO.
SHEET NO.
2 OF 2

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Id_frame_A3_P_ME_T
Rev E1 2012/01/25

9

8

7

6

5

4

3

2

1