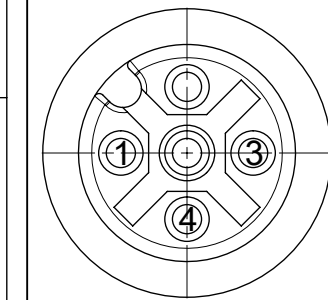
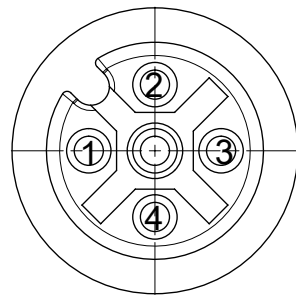


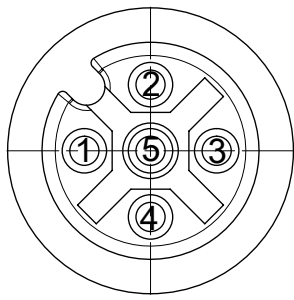
M12 FEMALE
FACE VIEW



Pin	Wire color
1	BROWN
3	BLUE
4	BLACK



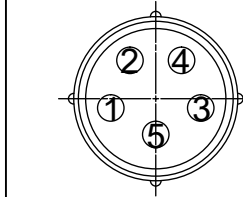
Pin	Wire color
1	BROWN
2	WHITE
3	BLUE
4	BLACK



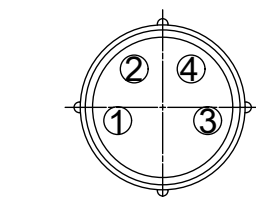
Pin	Wire color
1	BROWN
2	WHITE
3	BLUE
4	BLACK
5	GREY

Temperature Range	-25°C /+80°C
Contact Current Rating	3A
Voltage Rating	3 Poles 60V
	4 & 5 Poles 30V
Protection class	IP 67

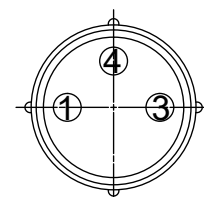
M8 MALE
FACE VIEW



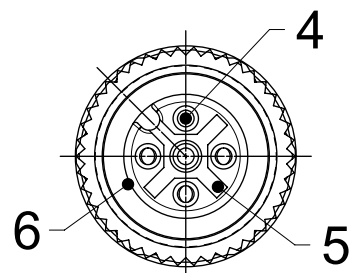
Pin	Wire color
1	BROWN
2	WHITE
3	BLUE
4	BLACK
5	GREY



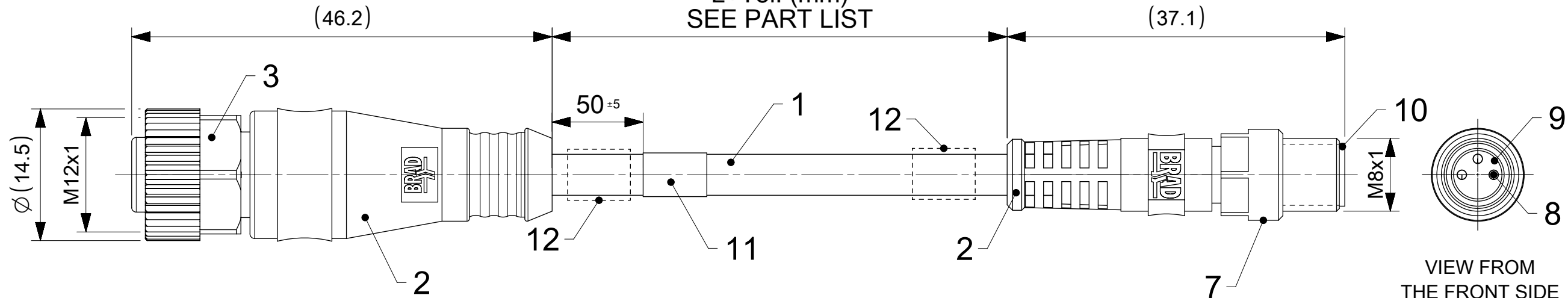
Pin	Wire color
1	BROWN
2	WHITE
3	BLUE
4	BLACK



Pin	Wire color
1	BROWN
3	BLUE
4	BLACK



VIEW FROM
THE FRONT SIDE



VIEW FROM
THE FRONT SIDE

12	2	ID CARRIER (SEE MATRIX)	PVC	-
11	1	STANDARD WRAP LABEL YE	VINYL	-
10	1	M8 MALE SLEEVE	BRASS	Ni-PLATED
9	1	INSERT M8 MALE XP BK	ELASTOLLAN	-
8	X	CONTACT MALE	BRASS	Ni-PLATED
7	1	M8 HEX KNU MALE NUT	BRASS	Ni-PLATED
6	1	GASKET RD	FPM	-
5	1	INSERT M12 FEMALE XP BK	ELASTOLLAN	-
4	X	CONTACT FEMALE	BRASS	Ni-PLATED
3	1	M12 HEX KNU FE NUT	BRASS	Ni-PLATED
2	-	MOULDING MATERIAL BK	TPU	-
1	-	CABLE Xx0.25mm ² BK	TPU	-
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

NOTE:

1. LOGO BRAD- ONLY IN ONE SIDE ON THE OVERMOULD.
2. IF IN MATRIX IS "H" - ID CARRIER ON THE BOTH SIDES CONNECTOR.

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:					molex							
	mm		2:1														
	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 697196 DRWN: SSM 2021/12/06 CHK'D: RSILLER 2022/02/28 APPR: RSILLER 2022/02/28					CSE M12 3P AC FE STR WSOR MA STR XM									
ANGULAR TOL ± 1.0°																	
DIVISIONAL SYMBOLS	4 PLACES		±		INITIAL REVISION: DRWN: SSM 2021/12/06 APPR: RSILLER 2022/02/28					DOCUMENT NUMBER					DOC TYPE	DOC PART	REVISION
	3 PLACES		±							1200669234					PSD	000	A
	2 PLACES		± 0.05		THIRD ANGLE PROJECTION					MATERIAL NUMBER		CUSTOMER			SHEET NUMBER		
	1 PLACE		± 0.3							SEE PART LIST		GENERAL MARKET			1 OF 2		
	0 PLACES		± 0.5							A3-SIZE		120066					
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																

OPTIONS

H

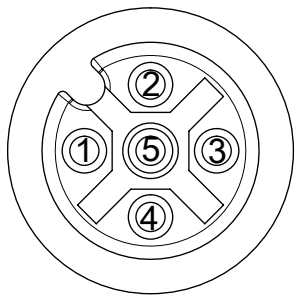
H = 2 PCS. OF I/D CARRIERR

CABLE TYPE	WIRE GAUGE	CABLE JACKET	UL	CSA	STATIC	FLEXING	DRAW CHAIN TESTED	OTHER
B41	0.25mm ²	TPU BLACK	STYLE 21215	YES	-40°C TO +90°C 5xD	-25°C TO +80°C 7.5xD	5 mio cycles	WELD SLAG RESISTANCE

DOCUMENT STATUS	P1	RELEASE DATE	2022/02/28	09:13:53
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FUNCTIONAL SYMBOLS FA = 0 FE = 0 FE = 0		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:										molex									
		mm		1:1																					
		GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 697196 DRWN: SSM 2021/12/06 CHK'D: RSILLER 2022/02/28 APPR: RSILLER 2022/02/28										CSE M12 3P AC FE STR WSOR MA STR XM									
		ANGULAR TOL ± 1.0 °																							
4 PLACES		±																							
DIVISIONAL SYMBOLS		3 PLACES		±		PRODUCT CUSTOMER DRAWING										DOCUMENT NUMBER 1200669234				DOC TYPE PSD		DOC PART 000		REVISION A	
		2 PLACES		± 0.05																					
		1 PLACE		± 0.3																					
		0 PLACES		± 0.5																					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																							
				A3-SIZE		120066		SEE PART LIST		GENERAL MARKET		2 OF 2													

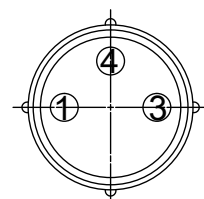
M12 FEMALE
FACE VIEW



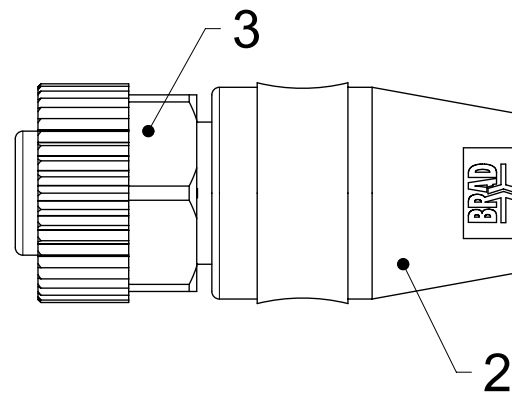
Pin	Wire color
1	BROWN
2	WHITE
3	BLUE
4	BLACK
5	GREY

Temperature Range	-25°C /+80°C
Contact Current Rating	3A
Voltage Rating	3 Poles 60V
	4 & 5 Poles 30V
Protection class	IP 67

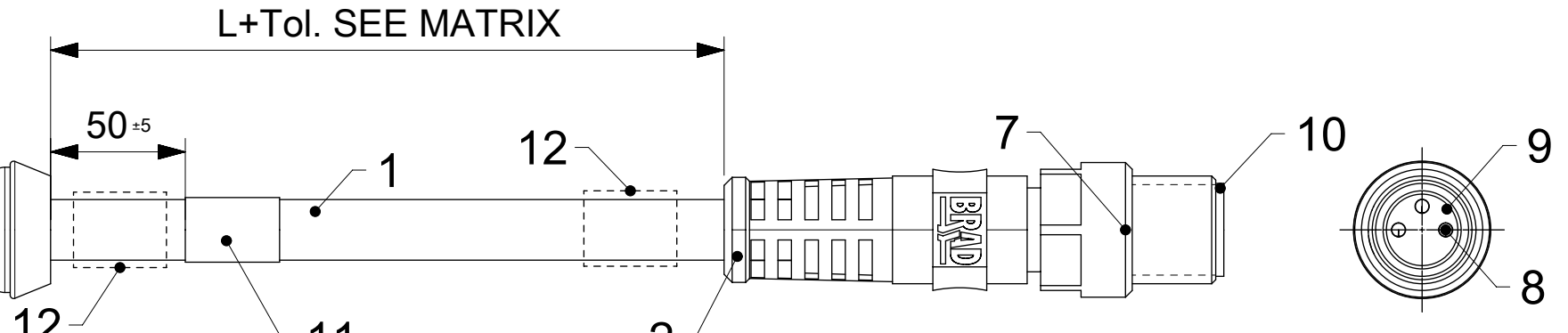
M8 MALE
FACE VIEW



Pin	Wire color
1	BROWN
3	BLUE
4	BLACK



VIEW FROM
THE FRONT SIDE



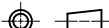
VIEW FROM
THE FRONT SIDE

BOM

12	2	ID CARRIER (SEE MATRIX)	PVC	-
11	1	STANDARD WRAP LABEL YE	VINYL	-
10	1	M8 MALE SLEEVE	BRASS	Ni-PLATED
9	1	INSERT M8 MALE XP BK	ELASTOLLAN	-
8	X	CONTACT MALE	BRASS	Ni-PLATED
7	1	M8 HEX KNU MALE NUT	BRASS	Ni-PLATED
6	1	GASKET RD	FPM	-
5	1	INSERT M12 FEMALE XP BK	ELASTOLLAN	-
4	X	CONTACT FEMALE	BRASS	Ni-PLATED
3	1	M12 HEX KNU FE NUT	BRASS	Ni-PLATED
2	-	MOULDING MATERIAL BK	TPU	-
1	-	CABLE Xx0.25mm ² BK	TPU	-
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

NOTE:

1. LOGO BRAD- ONLY IN ONE SIDE ON THE OVERMOULD.
2. IF IN MATRIX IS "H" - ID CARRIER ON THE BOTH SIDES CONNECTOR.

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: PART LIST DELETED			molex								
	mm		2:1													
	$\frac{F}{A} = 0$		GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 683109 DRWN: MKOWALCZYK012021/10/19 CHK'D: ALEKSP32021/10/28 APPR: KMARCINIAK012021/11/02 INITIAL REVISION: DRWN: AKONDRACIUK2016/06/06 APPR: MIWASIECZKO2016/06/21			CSE M12 3P AC FE STR WSOR MA STR XM								
	$\frac{F}{C} = 0$		ANGULAR TOL ± °													
$\frac{F}{E} = 0$		4 PLACES ±														
DIVISIONAL SYMBOLS	3 PLACES ±		2 PLACES ±								PRODUCT CUSTOMER DRAWING			DOCUMENT NUMBER		DOC TYPE
	1 PLACE ±		0 PLACES ±													
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
							A3-SIZE		120066		SEE SHEET 2		GENERAL MARKET		1 OF 2	

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

OPTIONS

8

4

X

0

3

0

B

4

1

M

*

*

*

H

84 = M12 - M8

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

030 = STRAIGHT FEMALE
- STRAIGHT MALE

CABLE:
B41 = 0,25mm², TPU BLACK

UNIT:
M = METER

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

H = 2 PCS. OF I/D CARIERR

CABLE TYPE	WIRE GAUGE	CABLE JACLET	UL	CSA	STATIC	FLEXING	DRAW CHAIN TESTED	OTHER
B41	0.25mm²	TPU BLACK	STYLE 21215	YES	-40°C TO +90°C 5xD	-25°C TO +80°C 7.5xD	5 mio cycles	WELD SLAG RESISTANCE

For Raw Cable Specification see SD-120209-006

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

DOCUMENT STATUS	P1	RELEASE DATE	2021/11/02	08:24:09
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FUNCTIONAL SYMBOLS

FA

=

0

FE

=

0

FE

=

0

DIVISIONAL 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: PART LIST DELETED

mm

1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL

±

°

4 PLACES

±

3 PLACES

±

2 PLACES

±

1 PLACE

±

0 PLACES

±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

EC NO: 683109

DRWN: MKOWALCZYK01

CHK'D: ALEKSP3

APPR: KMARCINIAK01

INITIAL REVISION:

DRWN: AKONDRACIUK

APPR: MIWASIECZKO

2021/10/19

2021/10/28

2021/11/02

2016/06/06

2016/06/21

moLEX

CSE M12 3P AC FE STR WSOR MA STR XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

1200669234

PSD

00P

A4

A3-SIZE

120066

SEE MATRIX

GENERAL MARKET

2 OF 2

FORMAT: master-b-prod-A3

REVISION: J

DATE: 2020/01/14