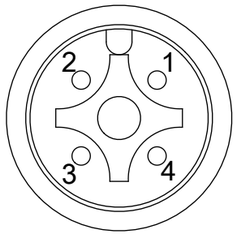
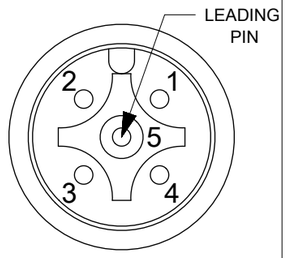
M12 4 POLE
MALE



VIEW FROM THE FRONT SIDE

Pin	Wire color
1	BROWN
2	WHITE
3	BLUE
4	BLACK

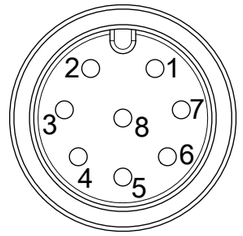
M12 5 POLE
MALE



VIEW FROM THE FRONT SIDE

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

M12 8 POLE
MALE



VIEW FROM THE FRONT SIDE

Pin	Wire color
1	WHITE
2	BROWN
3	GREEN
4	YELLOW
5	GREY
6	PINK
7	BLUE
8	RED

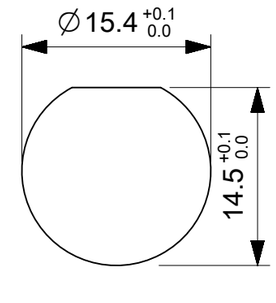
ENGINEERING No. - NUMERICAL CODE

Rev. A Transferred to ECTR / New PNs added

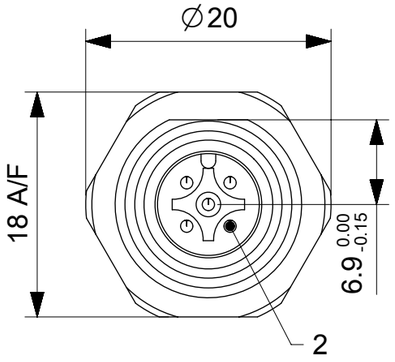
(Available parts see PART LIST table. Others parts available upon request)

8	R	X	J	4	6	X	X	X	X	X	X	X	X

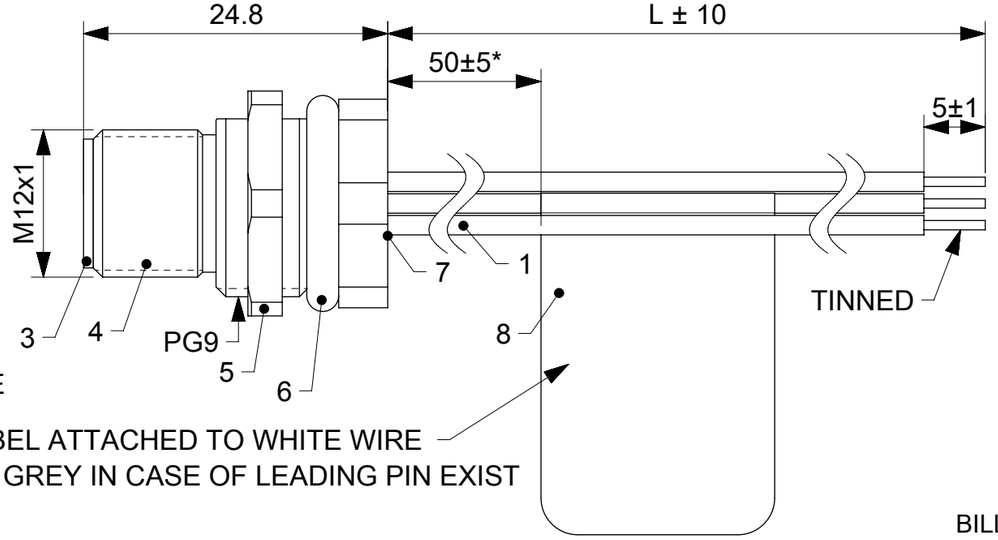
- 8R = Receptacle M12
- Poles: 4 = 4 Poles; 5 = 5 Poles; 8 = 8 Poles
- Shell type
- Wires: E03 = 22AWG PVC; E02 = 24AWG PVC; A16 = 18AWG PVC
- Units: C = Centimeters; M = Meters
- Length Examples: 005 = 0.5 units; 010 = 1 units; 100 = 10 units
- Shell material: blank, 3 = Standard, Brass Nickel plated



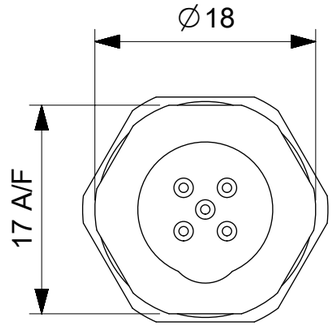
PANEL CUT OUT



VIEW FROM THE FRONT SIDE



*10±2 FOR 1200708324



VIEW FROM THE WIRES SIDE

PART LIST

Molex PN	Engineering No.	L [mm]
1200708324	8R4J46E02C040	40
1200705169	8R4J46E03C200	200
1200704002	8R4J46E03C3003	300
1200708121	8R4J46E03M0153	1500
1200708266	8R5J46E02C200	200
1200708205	8R5J46E02C3003	300
1200700234	8R5J46E03C3003	300
1200705181	8R8J46E02C200	200
1200700278	8R8J46E02C3003	300
1200110622	8R8J46E02M0153	1500
1200708073	8R8J46E02M015	1500

BILL OF MATERIALS

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
7	-	POTTING MATERIAL	WEVO	-
6	1	O-RING	NBR	-
5	1	LOCKNUT PG9	BRASS	Ni
4	1	SHELL M12x1 PG9	BRASS	Ni
3	1	INSERT 4P/5P/8P BK	ELASTOLLAN	-
2	4/5/8	CONTACT MALE	BRASS	Au
1	-	WIRE 22/24 AWG UL1569	PVC	-

SYMBOLS: E = 0; F = 0; E = 0; S = 0; ▼ = 0; C = 0; ☒ = 0; ■ = 0; ▽ = 0

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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:

EC NO: 617554
DRWN: MKOWALCZYK01 2019/05/20
CHK'D: DSTACHOWIAK 2019/05/20
APPR: DSTACHOWIAK 2019/05/20

INITIAL REVISION:
DRWN: KKALICIAK 2016/09/09
APPR: MIWASIECZKO 2016/11/04

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120070

molex

REC M12 XP AC MA PVC XM PG9 BM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1200708205	PSD	000	A1

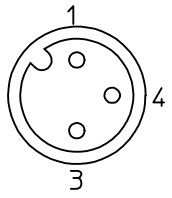
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	1 OF 1

DOCUMENT STATUS	P1	RELEASE DATE	2019/05/20 10:07:15

FORMAT: master_tmplt_A3
REVISION: H
DATE: 2018/01/16

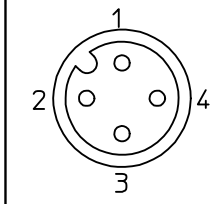
FACE VIEW

M12 3 POLE MALE



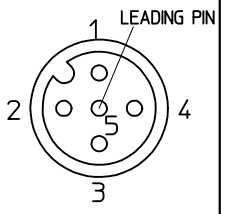
Pin	Kolor przew.	Wire color
1	BROWN	BN
2	-	-
3	BLUE	BU
4	BLACK	BK

M12 4 POLE MALE



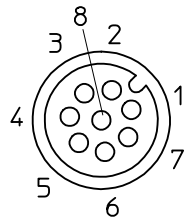
Pin	Kolor przew.	Wire color
1	BROWN	BN
2	WHITE	WH
3	BLUE	BU
4	BLACK	BK

M12 5 POLE MALE



Pin	Kolor przew.	Wire color
1	BROWN	BN
2	WHITE	WH
3	BLUE	BU
4	BLACK	BK
5	GREY	GY

M12 8 POLE MALE



Pin	Kolor przew.	Wire color
1	WHITE	WH
2	BROWN	BN
3	GREEN	GN
4	YELLOW	YE
5	GREY	GY
6	PINK	PK
7	BLUE	BU
8	RED	RD

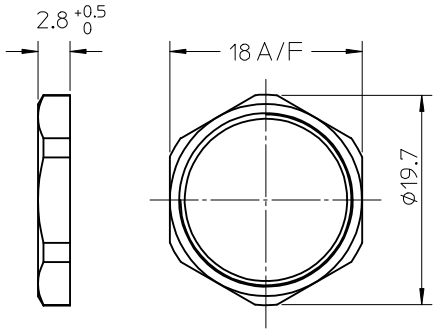
PN KEY / PART No MATRIX

8	R	*	J	4	6	*	*	*	*	*	*	*	*

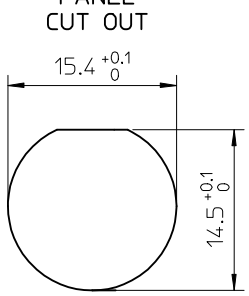
- 8 = 8-Micro Change
- R = R=Receptacle
- * = 3=3 Pole, 4=4 Pole, 5=5 Pole, 8=8 Pole
- J46 = Male Contact, Male thread M12, PG9 Mounting Thread
- * * * = WIRE TYPE: E02=24 AWG (0.22mm² PVC), E03=22 AWG (0.34mm² PVC)
- * = UNITS: C=Centimetres, M=Metres
- * * * = LENGTH: 300=30cm (300mm), 500=50cm (500mm)
- * = SHELL MATERIAL: 3=Brass Nickel Plated (Standard)

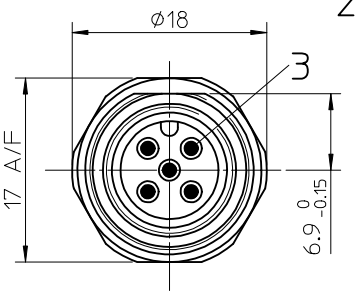
CHART 1

Molex PN	Engineering NO	L [mm]
1200708121	8R4J46E03M0153	1500
1200708205	8R5J46E02C3003	300
1200700234	8R5J46E03C3003	300
1200700278	8R8J46E02C3003	300
1200704002	8R4J46E03C3003	300

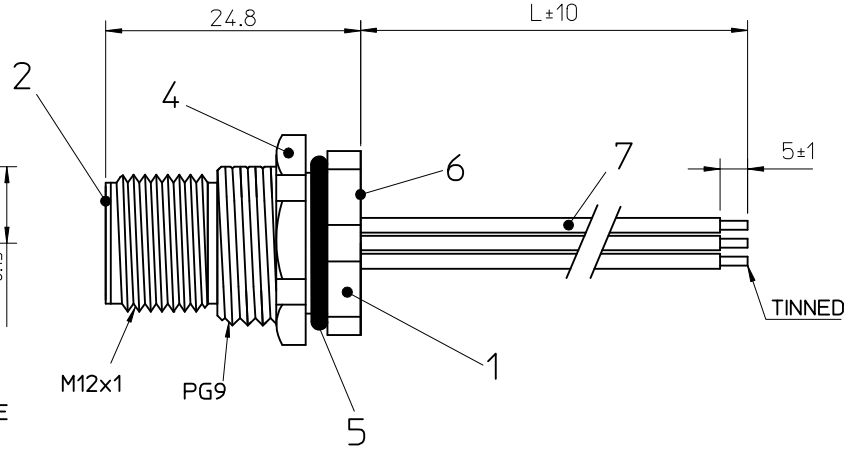


LOCKNUT VIEW





VIEW FROM THE FRONT SIDE (WITHOUT THE LOCKNUT)



BILL OF MATERIAL

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
7	-	WIRES	-	-
6	-	POTTING MATERIAL	WEVO	-
5	1	O-RING	NBR	-
4	1	LOCKNUT PG9	BRASS	NICKEL PLATED
3	-	CONTACT	-	-
2	1	M12 MALE INSERT	-	-
1	1	M12x1 PG9 SHELL	BRASS	NICKEL PLATED

K-WAY POSITION CHANGED
EC NO: IPG2015-1714 2015/04/02
DRWN:FGAIK 2015/04/03
CHKD:JMARSZALEK 2015/05/18
APPR:MIWASIECZKO
DESCRIPTION
REV

A1

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.05	± ---
1 PLACE	± 0.3	± ---
0 PLACE	± 0.5	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: FGAIK DATE: 2014/11/26
CHECKED BY: JMARSZALEK DATE: 2015/02/09
APPROVED BY: MIWASIECZKO DATE: 2015/02/16
MATERIAL NO.: SEE CHART 1

TITLE: REC M12 XP MA AC PG9 BM XM PVC

molex

DOCUMENT NO.: SD-120070-055
SHEET NO.: 1 OF 1

SIZE A3

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