Wiring Diagram

1	Violet
2	Red
3	Gray
4	Red/Blue
5	Green
6	Blue
7	Gray/Pink
8	White/Green
9	White/Yellow
10	White/Gray
11	Black
12	Green/Yellow
13	Yellow/Brown
14	Brown/Green
15	White
16	Yellow
17	Pink
18	Gray/Brown
19	Brown

CHANGES SEE REVISION MARKING B	WIRING DIAGRAM

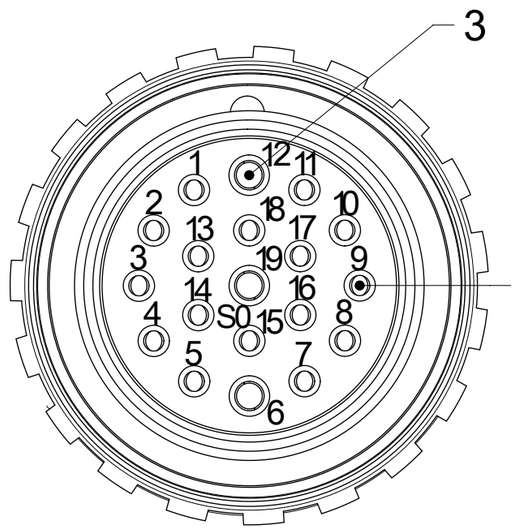
PART NO MATRIX

K	0	3	0	0	1	B	8	0	M	*	*	*

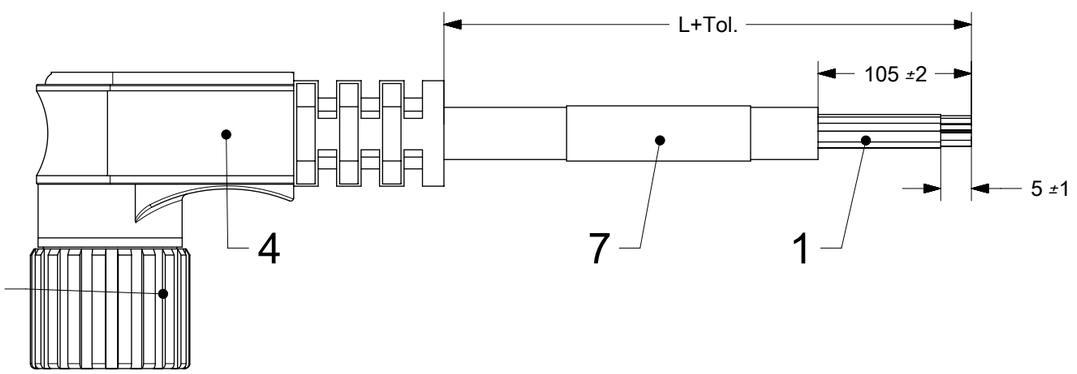
- K0 = M23x1 SINGLE ENDED
- POLES: 3 = 19 POLES
- HEADER: 001 = FEMALE RIGHT ANGLE
- CABLE TYPE: B80= WSOR CABLE
- UNIT: M = METER
- LENGTH: EXAMPLE: 010 = 1 m, 050 = 5 m, 100 = 10 m

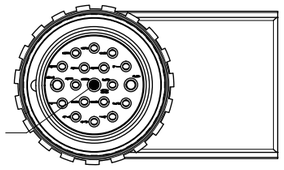
Connector Pin Assignment for M23 19 Pole

Front Side View



Scale : 3:1





View From The Front Side

CABLE SPECIFICATION:

CONDUCTOR A:
- MATERIAL: BARE COPPER
- SECTION: 0.75mm²/19AWG
- STRANDING: 42X0.15mm

INSULATION A:
- COMPOUND: TPE
- DIAMETER: 1.75±0.10mm

CONDUCTOR B:
- MATERIAL: BARE COPPER
- SECTION: 0.34mm²/22AWG
- STRANDING: 42X0.10mm

INSULATION B:
- COMPOUND: TPE
- DIAMETER: 1.30±0.10mm

JACKET:
- COMPOUND: TPU
- COLOR: BLACK
- DIAMETER: 10.50±0.30mm

TEMERATURE RATING: -40°C TO +90°C

VOLTAGE RATING: 600V

Table 1

Molex P/N	Engineering P/N	Length L[mm]	Tol.[mm]
1200948161	K03001B80M010	1000	+40
1200948162	K03001B80M050	5000	+60
1200948163	K03001B80M100	10000	+80
1200948164	K03001B80M150	15000	+140
1200948165	K03001B80M200	20000	+140
1200948166	K03001B80M250	25000	+160
1200948167	K03001B80M300	30000	+160

BILL OF MATERIALS

7	1	STANDARD WRAP LABEL	Vinyl	Yellow
6	1	M23 Female coupling nut	Brass	Nickel Plated
5	1	M23 Female insert 19P	TPU	Black
4	1	Overmould	TPU	Black
3	3	Contacts	Brass	Nickel Plated
2	16	Contacts	Bronze	Nickel Plated
1	L	CABLE:3X19AWG+16X22AWG	TPU WSOR	Black
	QTY	DESCRIPTION	MATERIAL	FINISH

DOCUMENT STATUS	P1	RELEASE DATE	2018/06/08 08:42:20

SYMBOLS: ▽ = 0; ▽ = 0; ▽ = 0; ▽ = 0; ▼ = 0; ▽ = 0; ☒ = 0; ■ = 0; ▽ = 0

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DIMENSION UNITS: mm; SCALE: 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

CURRENT REV DESC:

EC NO: 177844
DRWN: MCELEJEWSKI 2018/06/08
CHK'D: MIWASIECZKO 2018/06/08
APPR: MIWASIECZKO 2018/06/08

INITIAL REVISION:
DRWN: MMAJGAT 2016/04/15
APPR: MIWASIECZKO 2016/08/02

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120094

molex

CSE M23 19P FE RA WSOR XM SE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1200948161	PSD	00P	B1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
		1 OF 1

FORMAT: molex © size A3
REVISION: H
DATE: 2018/01/16