Wiring Diagram

1	White
2	Green
3	Yellow
4	Grey
5	Grey/Pink
6	Red/Blue
7	White/Green
8	Brown/Green
9	Blue
10	Blue
11	Brown
12	Green/Yellow

Contacts 9 and 10 connected the same wire.

PART NO MATRIX

K	0	2	1	0	1	B	2	0	M	*	*	*

- K0 = M23x1 SINGLE ENDED
- POLES: 2 = 12 POLES
- HEADER: 101 = 11 WAY FEMALE RIGHT ANGLE
- CABLE TYPE: B20= PUR BLACK
- UNIT: M = METER
- LENGTH: EXAMPLE: 010 = 1 m, 050 = 5 m, 100 = 10 m

CABLE SPECIFICATION:

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

INSULATION A:
- COMPOUND: PVC
- DIAMETER: 1.80±0.10mm

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

INSULATION B:
- COMPOUND: PVC
- DIAMETER: 1.40±0.10mm

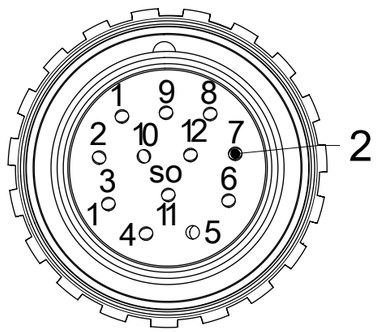
JACKET:
- COMPOUND: PUR
- COLOR: BLACK
- DIAMETER: 8.60±0.20mm

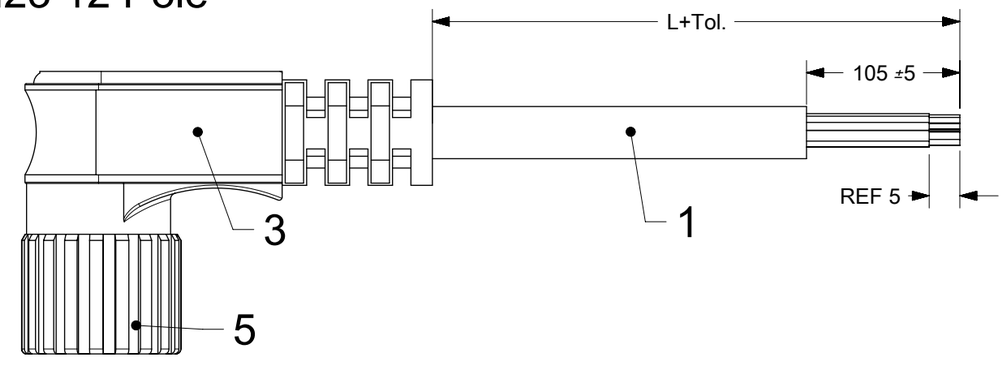
TEMERATURE RATING(STATIC): -40°C TO +90°C

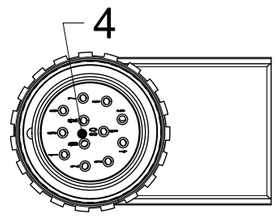
VOLTAGE RATING: 300V

Connector Pin Assignment for M23 12 Pole

Front Side View







View From The Front Side

BILL OF MATERIALS

5	1	M23 Female coupling nut	Brass	Nickel Plated
4	1	M23 Female insert 12P	TPU	Black
3	1	Overmould	TPU	Black
2	12	Contacts	Bronze	Nickel Plated
1	L	Cable:3X19AWG+8X22AWG	PUR	Black
	QTY	DESCRIPTION	MATERIAL	FINISH

Table 1

Molex P/N	Engineering P/N	Length L[mm]	Tol.[mm]
1200945011	K02101B20M050	5000	+165
1200945012	K02101B20M100	10000	+317
1200945013	K02101B20M150	15000	+610
1200948010	K02101B20M020	20000	+610
1200945014	K02101B20M250	25000	+610
1200948199	K02101B20M300	30000	+610

RELEASE STATUS	P1	RELEASE DATE	08.08.2016 06:30:55

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QUALITY SYMBOLS: FA = 0; FC = 0; FP = 0; ▼ = 0; C = 0; ☒ = 0; ■ = 0; V = 0

EC NO: 107291 2016/08/06
DRWN: MMAJGAT 2016/08/08
CHK'D:
APPR: MIWASIECZKO

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

A1 REV

DIMENSION UNITS: MM
SCALE: 1:1
DRWN BY: MMAJGAT DATE: 2016/04/27
CHK'D BY: DATE:
APPR BY: MIWASIECZKO DATE: 2016/08/02
DRAWING SIZE: A3
THIRD ANGLE PROJECTION

molex®

CSE M23 12P FE RA PUR XM SE

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
120094	SEE TABLE 1	

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
1200948199	PSD	00P	1 OF 1

FORMAT: master-tb-prod-A3
REVISION: G
DATE: 2015/12/14

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34708-2028 355240920 528523070 0464363133 528061110 194290039 351820290 502380-0800 503988100 0477256010 349672001 502585-0370 0351510214 197054301 347928042 348268126 459850483 5023860371 197134001 347072012 348242245 502584-1060 528520870 0194360214 194290026 347910140 502584-0870 194270031 357470310 464373005