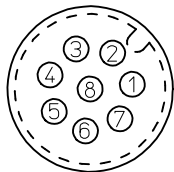


# M12 8POLE FEMALE



VIEW FROM THE WIRES SIDE

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

SHIELD CONNECTED TO COUPLING NUT

## PART No MATRIX



8=Micro  
Change



0=Portable



8=8 Core



500 = Shielded Female Straight



0=8 Core



0=8 Core



P19 - Black BRD PUR 0.25mm  
S19 - Yellow Braided PVC 0.25mm  
E62 - Gray SHLD PVC 0.25mm



\*=Metres



\*=Feet



M=Metres  
F=Feet



LENGTH  
020-2 METRES  
050-5 METRES  
200-20 METRES



\*=Metres



\*=Metres



\*=Metres



\*=Metres

## OPTIONS



### OVERMOULD COLOUR

Blank=Black (Standard)

A=Gray

Y=Yellow



### COUPLING NUT MATERIAL

Blank=Standard

1 = Stainless steel

5 = Delrin

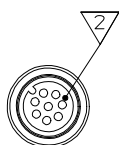
7 = Teflon coat



### ID CARRIER

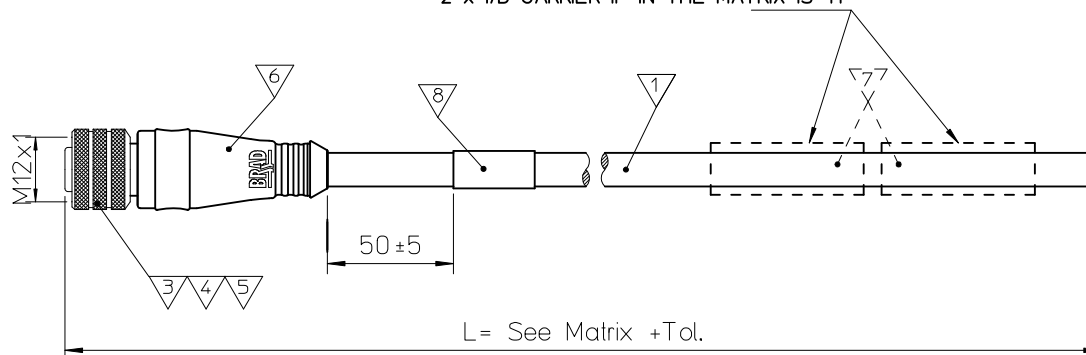
H=2xID CARRIER

| Table of length tolerances |                     |               |
|----------------------------|---------------------|---------------|
| Over                       | Up to and including | Tolerance (+) |
| 0                          | 305                 | +19           |
| 305                        | 915                 | +45           |
| 915                        | 1830                | +56           |
| 1830                       | 3660                | +89           |
| 3660                       | 7320                | +165          |
| 7320                       | 14640               | +317          |
| 14640                      | 30500               | +610          |
| 30500                      | >                   | +2% of length |



VIEW FROM THE FRONT SIDE

2 x I/D CARRIER IF IN THE MATRIX IS 'H'



## Bill of Materials

| ITEM | QTY. | DESCRIPTION             | MATERIAL   | FINISH     |
|------|------|-------------------------|------------|------------|
| 8    | 1    | LABEL                   | -          | -          |
| 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 M12 | SEE MATRIX | SEE MATRIX |
| 2    | 1    | INSERT M12 FEMALE       | SEE MATRIX | SEE MATRIX |
| 1    | -    | CABLE                   | SEE MATRIX | SEE MATRIX |

ORIGINAL RELEASE  
EC NO: IPG2016-0383  
DRWN:AKONDRAC IUK 2015/09/10  
CHKD:MMAJGAT 2015/09/10  
APPR:MIWASIECZKO 2015/09/29

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       |
|--------------|------------|
| AKONDRAC IUK | 2015/09/10 |
| CHECKED BY   | DATE       |
| MMAJGAT      | 2015/09/10 |
| APPROVED BY  | DATE       |
| MIWASIECZKO  | 2015/09/29 |

SEE MATRIX

## SCALE ---

## DESIGN UNITS METRIC

## THIRD ANGLE PROJECTION

MMC-8P-ST-XXX-PUR-  
SHIELDED

**molex**

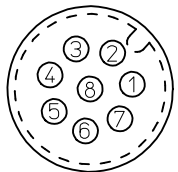
SD-120069-036

SHEET NO.

1 OF 1

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INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

# M12 8POLE FEMALE



VIEW FROM THE WIRES SIDE

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

SHIELD CONNECTED TO COUPLING NUT

## PART No MATRIX

|                |            |          |                                |   |   |
|----------------|------------|----------|--------------------------------|---|---|
| 8              | 0          | 8        | S                              | 0 | 0 |
| 8=Micro Change | 0=Portable | 8=8 Core | 500 = Shielded Female Straight |   |   |

| Table of length tolerances |                     |               |
|----------------------------|---------------------|---------------|
| Over                       | Up to and including | Tolerance (+) |
| 0                          | 305                 | +19           |
| 305                        | 915                 | +45           |
| 915                        | 1830                | +56           |
| 1830                       | 3660                | +89           |
| 3660                       | 7320                | +165          |
| 7320                       | 14640               | +317          |
| 14640                      | 30500               | +610          |
| 30500                      | >                   | +2% of length |

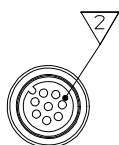
|                            |                                 |                            |
|----------------------------|---------------------------------|----------------------------|
| *                          | *                               | *                          |
| P19 - Black BRD PUR 0.25mm | S19 - Yellow Braided PVC 0.25mm | E62 - Gray SHLD PVC 0.25mm |

M=Metres  
F=Feet

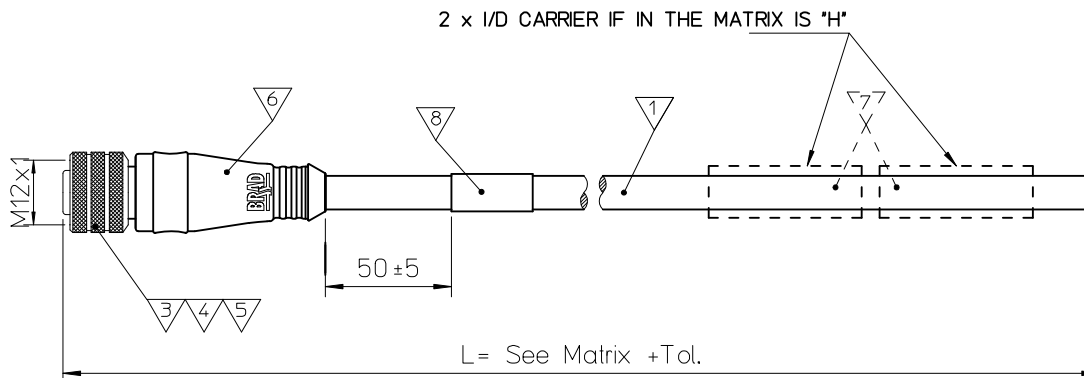
|        |               |              |
|--------|---------------|--------------|
| *      | *             | *            |
| LENGTH | 020-2 METRES  | 050-5 METRES |
|        | 200-20 METRES |              |

## OPTIONS

|                       |                        |
|-----------------------|------------------------|
| *                     | *                      |
| OVERMOULD COLOUR      | Blank=Black (Standard) |
|                       | A=Grey                 |
|                       | Y=Yellow               |
| COUPLING NUT MATERIAL | Blank=Standard         |
|                       | 1 = Stainless steel    |
|                       | 5 = Delrin             |
|                       | 7 = Teflon coat        |
| ID CARRIER            | H=2xID CARRIER         |



VIEW FROM THE FRONT SIDE



## Bill of Materials

| ITEM | QTY. | DESCRIPTION             | MATERIAL   | FINISH     |
|------|------|-------------------------|------------|------------|
| 8    | 1    | LABEL                   | -          | -          |
| 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 M12 | SEE MATRIX | SEE MATRIX |
| 2    | 1    | INSERT M12 FEMALE       | SEE MATRIX | SEE MATRIX |
| 1    | -    | CABLE                   | SEE MATRIX | SEE MATRIX |

ORIGINAL RELEASE  
EC NO: IPG2016-0383  
DRWN:AKONDRAC IUK 2015/09/10  
CHKD:MMAJGAT 2015/09/10  
APPR:MIWASIECZKO 2015/09/29

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       |
| AKONDRAC IUK    | 2015/09/10 |
| CHECKED BY      | DATE       |
| MMAJGAT         | 2015/09/10 |
| APPROVED BY     | DATE       |
| MIWASIECZKO     | 2015/09/29 |
| MATERIAL NO.    |            |
| SEE MATRIX      |            |
| SIZE            | A3         |

| SCALE                                                                                                                         | DESIGN UNITS | THIRD ANGLE PROJECTION |
|-------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------|
| ---                                                                                                                           | METRIC       |                        |
| TITLE                                                                                                                         |              |                        |
| MMC-8P-ST-XXX-PUR-SHIELDED                                                                                                    |              |                        |
| molex                                                                                                                         |              |                        |
| DOCUMENT NO.                                                                                                                  |              | SHEET NO.              |
| SD-120069-036                                                                                                                 |              | 1 OF 1                 |
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