

| REVISIONS |     |                 |           |     |      |
|-----------|-----|-----------------|-----------|-----|------|
| P         | LTR | DESCRIPTION     | DATE      | DWN | APVD |
|           | A   | INITIAL RELEASE | 17MAR2018 | G.W | C.W  |
|           |     |                 |           |     |      |
|           |     |                 |           |     |      |



| MALE FACE VIEW    |                              |                                         |                                                   |
|-------------------|------------------------------|-----------------------------------------|---------------------------------------------------|
| 2-POLES           | 3-POLES                      | 4-POLES                                 | 5-POLES                                           |
|                   |                              |                                         |                                                   |
| WIRING DIAGRAM    |                              |                                         |                                                   |
| 1-BROWN<br>3-BLUE | 1-BROWN<br>3-BLUE<br>4-BLACK | 1-BROWN<br>2-WHITE<br>3-BLUE<br>4-BLACK | 1-BROWN<br>2-WHITE<br>3-BLUE<br>4-BLACK<br>5-GRAY |

| FEMALE FACE VIEW  |                              |                                         |                                                   |
|-------------------|------------------------------|-----------------------------------------|---------------------------------------------------|
| 2-POLES           | 3-POLES                      | 4-POLES                                 | 5-POLES                                           |
|                   |                              |                                         |                                                   |
| WIRING DIAGRAM    |                              |                                         |                                                   |
| 1-BROWN<br>3-BLUE | 1-BROWN<br>3-BLUE<br>4-BLACK | 1-BROWN<br>2-WHITE<br>3-BLUE<br>4-BLACK | 1-BROWN<br>2-WHITE<br>3-BLUE<br>4-BLACK<br>5-GRAY |

| TABLE 1: TECHNICAL DATA |                |                |                |                |
|-------------------------|----------------|----------------|----------------|----------------|
|                         | T4152XX002-00X | T4152XX003-00X | T4152XX004-00X | T4152XX005-00X |
| RATED VOLTAGE           | 250V           |                |                | 60V            |
| RATED CURRENT           | 4A             |                |                |                |
| POLLUTION DEGREE        | 3              |                |                |                |
| OVERVOLTAGE CATEGORY    | II             |                |                |                |
| MATERIAL GROUP          | II             |                |                |                |
| DEGREE OF PROTECTION    | IP67           |                |                |                |

| ITEM | DESCRIPTION    | MATERIAL     | OTHERS        |
|------|----------------|--------------|---------------|
| 1    | MALE CONTACT   | COPPER ALLOY | FLASH GOLD    |
| 2    | MALE HOUSING   | NYLON        | BLACK         |
| 3    | MALE NUT       | COPPER ALLOY | NICKEL PLATED |
| 4    | OVER-MOLDING   | POLYURETHANE | BLUE          |
| 5    | CABLE          | -            | -             |
| 6    | LABEL          | -            | -             |
| 7    | FEMALE NUT     | COPPER ALLOY | NICKEL PLATED |
| 8    | FEMALE HOUSING | NYLON        | BLACK         |
| 9    | FEMALE CONTACT | COPPER ALLOY | FLASH GOLD    |

|                                        |  |                              |                          |               |
|----------------------------------------|--|------------------------------|--------------------------|---------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN 17MAR2018<br>GAVIN WANG  | TE Connectivity          |               |
| DIMENSIONS:                            |  | CHK 17MAR2018<br>KEVIN HUANG |                          |               |
| mm                                     |  | APVD 17MAR2018<br>CHRIS WANG | NAME                     |               |
|                                        |  | PRODUCT SPEC                 | M12X1 MALE TO FEMALE, XP |               |
|                                        |  | 108-106140                   | A-CODE, UNSHIELDED       |               |
|                                        |  | APPLICATION SPEC             |                          |               |
| MATERIAL                               |  | WEIGHT                       | SIZE                     | CAGE CODE     |
|                                        |  |                              | A2                       | -             |
|                                        |  | CUSTOMER DRAWING             | DRAWING NO               | RESTRICTED TO |
|                                        |  |                              | C-T4152XXX0XX00X         |               |
|                                        |  | SCALE 2:1                    | SHEET 1 OF 2             | REV A         |

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RELEASED FOR PUBLICATION

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TE PN CODING:

T4152XXXX0XX-00X

THREAD M12X1  
DOUBLE ENDED  
UNSHIELDED

S1 TYPE:  
1-MALE STRAIGHT  
2-MALE 90°  
3-FEMALE STRAIGHT  
4-FEMALE 90°

CABLE TYPE  
1-0.34mm<sup>2</sup>,PVC BLACK  
2-0.34mm<sup>2</sup>,PUR GRAY

POLES:  
02-INSERT 2 POLES  
03-INSERT 3 POLES  
04-INSERT 4 POLES  
05-INSERT 5 POLES

△CABLE LENGTH:  
STANDARD:  
-001:0.5 M  
-002:1.0 M  
-003:1.5 M  
-004:3.0 M  
-005:5.0 M  
-006:7.0 M  
-007:10.0 M  
CUSTOMIZATION:  
-XX0:XX.0 M  
-XX5:XX.5 M  
-99X: 0.X M

TE TYPE CODING:

RPC-M12-XXX-\*\*-M12-XXX-PXX

RPC SERIES

S1 CONNECTOR TYPE:  
M12X1 CONNECTOR

S1 TYPE:  
2MR-2CON,MALE 90°  
3MR-3CON,MALE 90°  
4MR-4CON,MALE 90°  
5MR-5CON,MALE 90°

CABLE LENGTH:  
0.5:0.5M,  
1.0:1.0M,  
1.5:1.5M,  
3.0:3.0M,  
5.0:5.0M,  
7.0:7.0M,  
10.0:10.0M,  
...

S2 CONNECTOR TYPE:  
M12X1 CONNECTOR

S2 TYPE:  
2FS-2CON,FEMALE STRAIGHT  
3FS-3CON,FEMALE STRAIGHT  
4FS-4CON,FEMALE STRAIGHT  
5FS-5CON,FEMALE STRAIGHT  
2FR-2CON,FEMALE 90°  
3FR-3CON,FEMALE 90°  
4FR-4CON,FEMALE 90°  
5FR-5CON,FEMALE 90°

CABLE TYPE  
PVC-0.34mm<sup>2</sup>,PVC BLACK  
PUR-0.34mm<sup>2</sup>,PUR GRAY

NOTE:

△1. TECHNICAL DATA: SEE TABLE 1

△2. CODE POSITION INDICATOR

△3. RECOMMENDED TORQUE 0.6 Nm

4. CABLE ASSEMBLY TO BE PACKAGED IN POLYBAGS

△5. LABEL CONTAINS: PN, DATE CODE...

△6. CABLE LENGTH CODE:  
STANDARD LENGTH:001...007  
CUSTOMIZATION LENGTH: >1.0M;XX0 OR XX5  
EXAMPLE:3.5M:035;15.0M:150...  
<1.0M;99X  
EXAMPLE:0.4M:994;...0.9M:999

注释:

△1. 技术参数:参考表1

△2. CODE位置指示

△3. 推荐扭矩0.6 Nm

4. 线缆组件塑料袋包装

△5. 标签包含: 产品编号, 日期代码...

△6. 线缆长度编码:  
标准长度:001...007  
定制长度:>1.0M;XX0 或 XX5  
例如:3.5M:035;15.0M:150...  
<1.0M;99X  
例如:0.4M:994;...0.9M:999

REVISIONS

| P | LTR | DESCRIPTION     | DATE      | DWN | APVD |
|---|-----|-----------------|-----------|-----|------|
|   | A   | INITIAL RELEASE | 17MAR2018 | G.W | C.W  |
|   |     |                 |           |     |      |
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|                         |                 |                    |                            |      |                 |
|-------------------------|-----------------|--------------------|----------------------------|------|-----------------|
| FIXED:<br>-40°C~+80°C   | GRAY            | PUR<br>(UL)        | RPC-M12-5MR-**-M12-5FS-PUR | 5    | T4152223005-00X |
| FLXIBLE:<br>-25°C~+80°C |                 |                    | RPC-M12-4MR-**-M12-4FS-PUR | 4    | T4152223004-00X |
|                         |                 |                    | RPC-M12-3MR-**-M12-3FS-PUR | 3    | T4152223003-00X |
|                         |                 |                    | RPC-M12-2MR-**-M12-2FS-PUR | 2    | T4152223002-00X |
| FIXED:<br>-10°C~+80°C   | BLACK           | PVC<br>(UL)        | RPC-M12-5MR-**-M12-5FS-PVC | 5    | T4152213005-00X |
| FLXIBLE:<br>-5°C~+80°C  |                 |                    | RPC-M12-4MR-**-M12-4FS-PVC | 4    | T4152213004-00X |
|                         |                 |                    | RPC-M12-3MR-**-M12-3FS-PVC | 3    | T4152213003-00X |
|                         |                 |                    | RPC-M12-2MR-**-M12-2FS-PVC | 2    | T4152213002-00X |
| FIXED:<br>-40°C~+80°C   | GRAY            | PUR<br>(UL)        | RPC-M12-5MR-**-M12-5FR-PUR | 5    | T4152224005-00X |
| FLXIBLE:<br>-25°C~+80°C |                 |                    | RPC-M12-4MR-**-M12-4FR-PUR | 4    | T4152224004-00X |
|                         |                 |                    | RPC-M12-3MR-**-M12-3FR-PUR | 3    | T4152224003-00X |
|                         |                 |                    | RPC-M12-2MR-**-M12-2FR-PUR | 2    | T4152224002-00X |
| FIXED:<br>-10°C~+80°C   | BLACK           | PVC<br>(UL)        | RPC-M12-5MR-**-M12-5FR-PVC | 5    | T4152214005-00X |
| FLXIBLE:<br>-5°C~+80°C  |                 |                    | RPC-M12-4MR-**-M12-4FR-PVC | 4    | T4152214004-00X |
|                         |                 |                    | RPC-M12-3MR-**-M12-3FR-PVC | 3    | T4152214003-00X |
|                         |                 |                    | RPC-M12-2MR-**-M12-2FR-PVC | 2    | T4152214002-00X |
| CABLE<br>TEMP. RANGE    | JACKET<br>COLOR | JACKET<br>MATERIAL | TYPE                       | POS. | TE PART NUMBER  |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±-

1 PLC ±-

2 PLC ±-

3 PLC ±-

4 PLC ±-

ANGLES ±-

FINISH -

-

DWN 17MAR2018  
GAVIN WANG

CHK 17MAR2018  
KEVIN HUANG

APVD 17MAR2018  
CHRIS WANG

PRODUCT SPEC  
108-106140

APPLICATION SPEC  
-

WEIGHT  
-

CUSTOMER DRAWING

TE Connectivity

NAME  
M12X1 MALE TO FEMALE,XP  
A-CODE,UNSHIELDED

SIZE  
A2

CAGE CODE  
-

DRAWING NO  
T4152XXX0XX00X

RESTRICTED TO

SCALE  
2:1

SHEET  
2

OF  
2

REV  
A

1471-9 (3/13)

# Mouser Electronics

Authorized Distributor

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[T4152223004-003](#)