

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 3-BLUE	1-BROWN 3-BLUE 4-BLACK	1-BROWN 2-WHITE 3-BLUE 4-BLACK	1-BROWN 2-WHITE 3-BLUE 4-BLACK 5-GRAY

FEMALE FACE VIEW			
2-POLES	3-POLES	4-POLES	5-POLES
WIRING DIAGRAM			
1-BROWN 3-BLUE	1-BROWN 3-BLUE 4-BLACK	1-BROWN 2-WHITE 3-BLUE 4-BLACK	1-BROWN 2-WHITE 3-BLUE 4-BLACK 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 GAVIN WANG		
DIMENSIONS: mm		CHK 17MAR2018 KEVIN HUANG		
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±- 2 PLC ±- 3 PLC ±- 4 PLC ±- ANGLES ±- FINISH		APVD 17MAR2018 CHRIS WANG	NAME M12X1 MALE TO FEMALE, XP A-CODE, UNSHIELDED	
MATERIAL - -		PRODUCT SPEC 108-106140	SIZE A2	
		APPLICATION SPEC -	CAGE CODE -	
		WEIGHT -	DRAWING NO C-T4152XXX0XX00X	
		CUSTOMER DRAWING	RESTRICTED TO A	
		SCALE 2:1	SHEET 1 OF 2	
			REV A	

1

2

3

4

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TE PN CODING:

T4152XXX0XX-00X

THREAD M12X1
DOUBLE ENDED
UNSHIELDED

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

CABLE TYPE
1-0.34mm²,PVC BLACK
2-0.34mm²,PUR GRAY

S2 TYPE:
1-MALE STRAIGHT
2-MALE 90°
3-FEMALE STRAIGHT
4-FEMALE 90°

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-0.34mm²,PVC BLACK
PUR-0.34mm²,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

FIXED: -40°C~+80°C	GRAY	PUR (UL)	RPC-M12-5MR-**-M12-5FS-PUR	5	T4152223005-00X
FLXIBLE: -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: -10°C~+80°C	BLACK	PVC (UL)	RPC-M12-5MR-**-M12-5FS-PVC	5	T4152213005-00X
FLXIBLE: -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: -40°C~+80°C	GRAY	PUR (UL)	RPC-M12-5MR-**-M12-5FR-PUR	5	T4152224005-00X
FLXIBLE: -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: -10°C~+80°C	BLACK	PVC (UL)	RPC-M12-5MR-**-M12-5FR-PVC	5	T4152214005-00X
FLXIBLE: -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 TEMP. RANGE	JACKET COLOR	JACKET MATERIAL	TYPE	POS.	TE PART NUMBER

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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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[TE Connectivity:](#)

[T4152223003-005](#)