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2014

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1

2

3

4

LOC

DIST

P

LTR

REVISIONS

DESCRIPTION

DATE

DWN

APVD

B

UPGRADE STANDARD TO IEC 62852

02JUN2017

SG

SM

B1

UPDATED CABLE DIAMETER

01JUN2018

GCM

MZ

B2

REVISED DRAWING

28SEP2018

MZ

MZ

B3

ADDED NEW P/Ns

25NOV2019

MZ

PO

1

SPECIFICATION:

CABLE CONDUCTOR SIZE	2.5MM ² /14AWG	4.0MM ² /AWG12	6.0MM ² /AWG10
RATED CURRENT (AT 85°C AMBIENT)	UL 15A DC TUV 35A DC	UL 20A DC TUV 40A DC	UL 30A DC TUV 45A DC
RATED VOLTAGE	PV4-S: UL 1000V DC / TUV 1000V DC PV4-S1: UL 1500V DC / TUV 1500V DC		
DEGREE OF PROTECTION,MATED	IP 68 (1m, 24h)		
AMBIENT TEMPERATURE RANGE	-40°C ~ +85°C		
OVERVOLTAGE CATEGORY	III		
POLLUTIOIN DEGREE	2		
CONTACT RESISTANCE	0.5 mΩ		
CONTACT MATERIAL	COPPER, TIN PLATED		
INSULATION MATERIAL	THERMOPLASTIC, UL94-V0		
SAFETY CLASS	II		
STRIP LENGTH	6.5 mm		
CABLE JACKET DIAMETER	TUV: 5.0-7.8 mm / UL: 5.5-7.8 mm		

2

CONTACT SHOWN UNINSTALLED, FOR REFERENCE ONLY

3

USE ONLY CRIMPING TOOL OF TE CONNECTIVITY TO CRIMP CONTACT:
A. CRIMPING TOOL PN 6-1579014-9 WILL BE USED FOR CRIMPING THE CONTACTS
HAVING WIRE SIZE 2.5mm² AND 4.0mm²
B. CRIMPING TOOL PN 6-1579014-8 WILL BE USED FOR CRIMPING THE CONTACTS
HAVING WIRE SIZE 4.0mm² AND 6.0mm²

DO NOT DISCONNECT
UNDER LOAD

R4 AX
PV4-S
T302

PREASSEMBLED VIEW AS SHOWN

~62.5 REF

DO NOT DISCONNECT
UNDER LOAD

24.5 REF

10.4±0.5

ASSEMBLED VIEW AS SHOWN

6

7

PIN CONTACT (LOOSE PIECE)

5

8

STRIP CONTACT COME OFF TO ASSEMBLY
2000 PCS CONTACTS MOUNTED REEL
REEL TYPE SUBJECT TO ALTERNATION

-1 AS SHOWN

1

2

3

4

6

7

CONNECTOR ASSEMBLY SHOWN EXPLODED VIEW
FOR REFERENCE ONLY

4- -3	4- -1	3- -3	3- -1	2- -3	2- -1	1- -3	1- -1	-3	-1	PART NUMBER	
1000	2000	1000	2000	100	2000	1000	1000	1000	1000	PACKAGING QTY.	
TUV: 5.0-7.8 mm / UL: 5.5-7.8 mm										CABLE JACKET DIAMETER in mm	
1	-	-	-	-	-	1	-	-	-	PIN CONTACT, 2.5 mm ² /14AWG, STRIP	8
-	1	-	-	1	-	-	-	1	-	PIN CONTACT, 2.5 mm ² /14AWG, LOOSE PIECE	7
-	-	1	-	-	1	-	-	-	1	PIN CONTACT, 4~6 mm ² /10~12AWG, LOOSE PIECE	6
-	-	-	1	-	-	-	1	-	-	PIN CONTACT, 4~6 mm ² /10~12AWG, STRIP	5
1	1	1	1	1	1	1	1	1	1	CABLE SCREW JOINT	4
1	1	1	1	1	1	1	1	1	1	PINCH RING SEAL INMOLDED, ASSY	3
1	1	1	1	1	1	1	1	1	1	METAL CLIP	2
1	1	1	1	1	1	1	1	1	1	PV4-S1 PIN CONNECTOR	1
QUANTITY PER ASSEMBLY										DESCRIPTION	ITEM No

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC ±0.0
1 PLC ±
2 PLC ±
3 PLC ±
4 PLC ±
ANGLES ±
FINISH

DWN
WANG LORRY
CHK
TAO DANIEL
APVD
PETER YIN

13JUN2014
13JUN2014
13JUN2014

PRODUCT SPEC
108-137077
APPLICATION SPEC
114-137077
WEIGHT
-

TE Connectivity

PIN CONNECTOR KITS
PV4-S1 CONNECTOR, PV4-S1M*

SIZE
A2

CAGE CODE
00779

DRAWING NO
C-2270024

RESTRICTED TO
-

CUSTOMER DRAWING

SCALE
2:1

SHEET
1

OF
1

REV
B3

1471-9 (3/11)