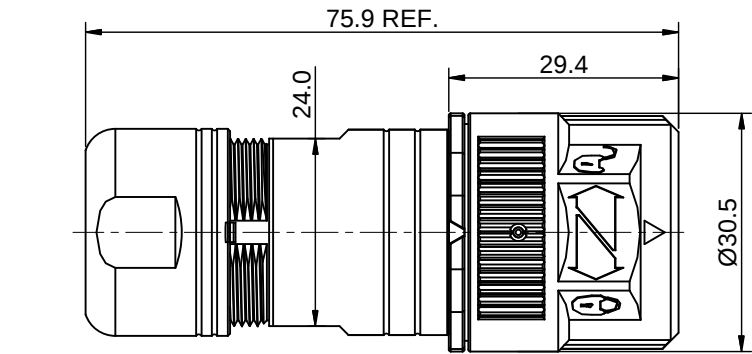
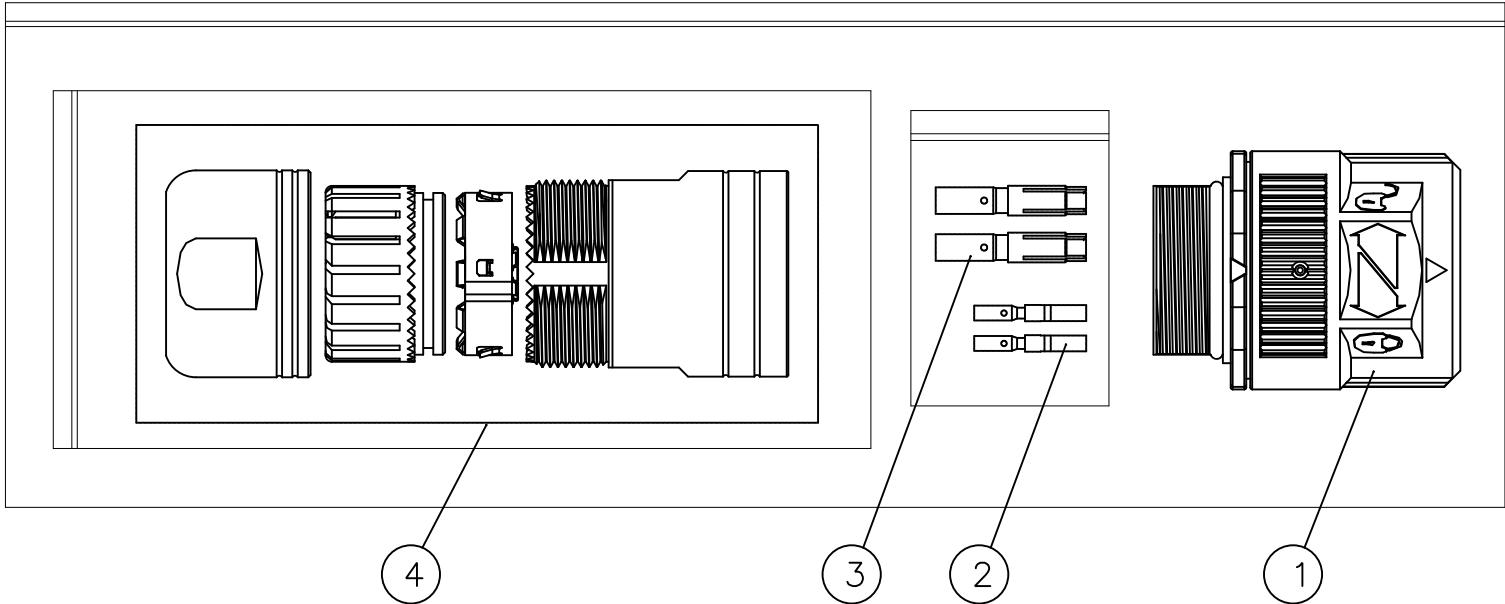


ASSEMBLED VIEW

Part Number	Cord Grip	Cable OD Range
P30743-S1	MB6CG-S1	7.5~11.0 mm
P30743-S2	MB6CG-S2	11.0~14.5 mm
P30743-S3	MB6CG-S3	14.5~17.0 mm



REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DWG FORMAT	07/22/14	DRACK	
A2	-	UPDATE THE DURABILITY	May.05,2015	DRACK	
A3	-	UPDATE THE SHAPE	APR.16,2016	DRACK	

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
INSULATION INSERT: PA66,UL94 V0
SEAL: VITON OR EPDM
HOUSING BODY: ZINC DIE CAST, NICKEL PLATED
COUPLING NUT: COPPER ALLOY, NICKEL PLATED
EMI SHIELDING RING: STAINLESS STEEL
CONTACT: COPPER ALLOY, GOLD PLATED
2. SPECIFICATIONS:
2.1 CURRENT RATING: SIGNAL: 10 AMPS
POWER: 30AMPS
2.2 VOLTAGE RATING: SIGNAL: 250V AC/DC
POWER: 630V AC/DC
2.3 CONTACT RESISTANCE: SIGNAL: <5 mOHMS
POWER: <3 mOHMS
2.4 OPERATING TEMPERATURE: -20°C TO +130°C
2.5 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2
MILLIAMPS CURRENT LEAKAGE @ SIGNAL: 2500VOLTS AC.
POWER: 6000 VOLTS AC.
2.6 DEGREE OF PROTECTION: IP67 (MATED CONDITION)
2.7 DEGREE OF POLLUTION: 3 PER UL840
2.8 OVERVOLTAGE CATEGORY: III PER UL840
2.9 MATING CYCLE DURABILITY: >500 CYCLES
3. CORD GRIP RANGE: 11mm TO 14.5mm.
4. CONTACT BARREL RANGE: SIGNAL: 18AWG TO 22AWG
POWER: 14AWG TO 18AWG
5. RECOMMENDED CRIMP TOOLS:
HAND CRIMPER: SIGNAL: AFM8 AND SK2/2
POWER: AF8 AND UH2-5
PNEUMATIC CRIMPER: SIGNAL: WA22 AND SK2/2
POWER: WA27F AND UH2-5
6. EXTRACTION TOOL: SIGNAL: 50-54931-1
POWER: 50-54931-2
7. ASSEMBLY INSTRUCTIONS: S3-15225
8. RoHS COMPLIANT
9. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

1	MB6CG-Sx	CORD GRIP	4
4	SC000045	CONTACT, SOCKET, Ø2.0MM	3
5	SC000044	CONTACT, SOCKET, Ø1.0MM	2
1	MB2CKN0900	CONNECTOR	1
QUANTITY	PART NUMBER	DESCRIPTION	ITEM

UNLESS OTHERWISE SPECIFIED
1) All dimensions are in metric(mm).
2) Tolerances are as follows:
1 PL DEC ±0.30
2 PL DEC ±0.15
3 PL DEC ±0.08
3) Note reference =

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASSY:

SIGNATURES
DRAWN: Drack
CHECKED:
ENGINEER:
APPROVAL:
CUSTOMER:

DATE
APR.16,2016

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Amphenol

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KIT,M23B,PLUG,STRAIGHT,9POS(4+5),CHECKMATE

SIZE
B

TYPE
C-

DWG NO:
P30743-Sx

REVISION
A3

SCALE: NONE

SHEET 1 OF 1

TITLE: KIT,M23B,PLUG,STRAIGHT,9POS(4+5),CHECKMATE

DWG NO: P30743-Sx

REV: A3

SH: 1

OF: 1

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[P30743-S2](#) [P30743-S3](#) [P30743-S1](#)