REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
01	–	CUSTOMER DRAWING	–	–	–
02	–	CHANGED VOLTAGE FROM 150V TO 250V	19JAN22	MRF	DR
03	–	UPDATED BACK SHELL TO NEW STYLE	21MAY2025	RO	RO

ASSEMBLED VIEW

ILLUSTRATION: COMPLETE KIT

NOTES:

1) CONTACT BARREL RANGE: 20AWG TO 22AWG
2) RECOMMENDED CRIMP TOOLS:
   HAND CRIMPER: MFX-3959
   PNEUMATIC CRIMPER: MFX-3960
3) EXTRACTION TOOL: QXRT20
4) MATERIALS:
   HOUSING BODY: ZINC DIE CAST, NICKEL PLATED
   INSULATION INSERT: PA66, UL94/V-0
   CONTACT: BRASS, GOLD FLASH PLATED
   SEAL AND O-RING: NBR (NITRILE BUTADIENE RUBBER)
5) ELECTRICAL DATA:
   a) CURRENT (MAX): 7.5A
   b) VOLTAGE (MAX): 250V AC/DC
   c) INSULATION RESISTANCE (MIN): 5000M OHMS
   d) TEST VOLTAGE (BETWEEN CONTACTS): 1500V
7) TECHNICAL DATA:
   a) TEMPERATURE RANGE: -40°C TO 105°C
   b) PROTECTION: IP67 (MATED CONDITION)
   c) MATING CYCLES: >500
   d) VIBRATION RESISTANCE PER MIL-STD-202 METHOD 204
   e) THERMAL SHOCK PER MIL-STD-202 METHOD 207
   f) 48 HOUR SALT SPRAY PER MIL-STD-202 METHOD 101
8) RoHS COMPLIANT

QUANTITY	PART NUMBER	DESCRIPTION	ITEM
32	MS20W23F	CONTACT, SOCKET, SIZE 20	3
1	RTOL-18CG-NS1	CORD GRIP	2
1	RTOW61832SNH	CONNECTOR	1

MATERIALS LIST

UNLESS OTHERWISE SPECIFIED
1) All dimensions are in metric(mm).
2) Tolerances are as follows:
1 PL DEC ±0.30 | Fractions ±1/64
2 PL DEC ±0.15 | Angles ±1°
3 PL DEC ±0.08
3) Note reference = X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

SIGNATURES		DATE
DRAWN:	MRF	10SEP13
CHECKED:		
ENGINEER:		
APPROVAL:		
CUSTOMER:		

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KIT, ECO-MATE

SIZE	TYPE	DWG NO:	REVISION
B	C-	RTOW61832SNH-K	03

SCALE: NONE SHEET 1 OF 1

TITLE: KIT, ECO-MATE
DWG NO:
REV: 02
SH: 1
OF: 1