

SPECIFICATION

MATERIAL
INSULATOR: PA66 GF25%, RATED UL94V-0, BLACK
CONTACTS: BRASS(C3604-EH)
SHELL: BRASS(C3604-EH)/ZINC ALLOY, Ni PLATED
O-RING: SILICON RUBBER
CONTACT PLATING
UNDERPLATE: 50u"~100u" Ni
CONTACT AREA: 30u" Au
SOLDER TAILS AREA: 30u" Au

ELECTRICAL

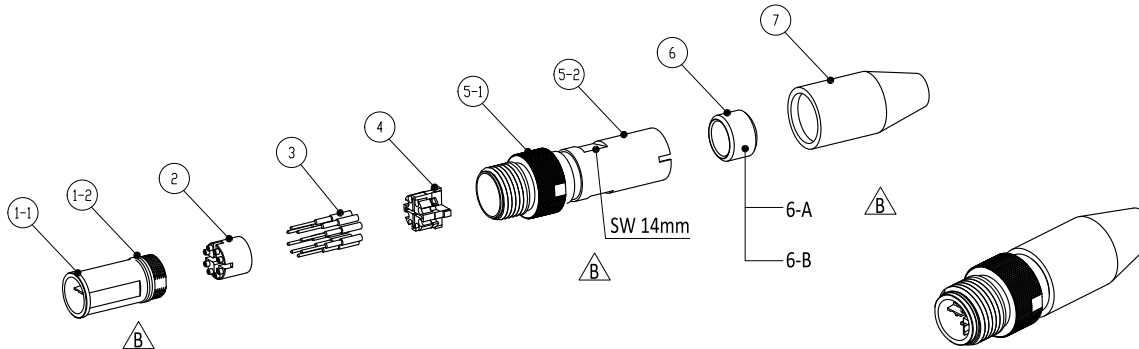
RATED CURRENT: 0.5 AMPS MAX.
RATED VOLTAGE: 48V
CONTACT RESISTANCE: 5 mΩ MAX.
INSULATION RESISTANCE: 100 MΩ MIN. @ 500 V ±15V DC
DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC / MINUTE

GENERAL DATA

STANDARD/REGULATION: M12 CONNECTOR IEC 61076-2-109
CABLE AWG: 24AWG
TEMPERATURE RANGE: -25°C TO +85°C
MATING CYCLES: 100 INSERTIONS
WATERPROOF RATE: IP67

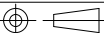
PACKING STYLE:

1.BAG



B

NO.	P/N	PARTS OF NAME	MATERIAL	Q'TY
1	S4649AE32ND1F05A	FRONT METAL SHELL	ZINC ALLOY 50~100u" Ni+VITON (B-70)	1
1-1	M4649AE32ND1F05A	FRONT METAL SHELL	ZINC ALLOY 50~100u" Ni	1
1-2	M1349ME00F04701A	O-RING	VITON (B-70)	3
2	M1649AE08MD13E1A	FRONT PLASTIC BODY	PA66 GF25%,RATED UL94V-0	1
3	M2649KE1DDD101A	M12 X-CODE PLUG CONTACT	BRASS (C3604-EH) 30u" Au	8
4	M1649ME08MD13E3A	CABLE HOLDER	PA66 ,RATED UL94V-0	1
5	S4649AE32ND1F04A	MALE-MATEL SHELL PART	BRASS (C3604-EH) 50~100u" Ni	1
5-1	M4649AE32ND1F03A	FRONT METAL BODY	BRASS (C3604-EH) 50~100u" Ni	1
5-2	M4649AE32ND1F06A	MIDDLE HOLDER	BRASS (C3604-EH) 50~100u" Ni	1
6		CRIMP O-RING	SILICON RUBBER 60°	1
6-A	M1649AERCPD1306A	CRIMP O-RING FOR OD 6.2 CABLE	SILICON RUBBER 60°	
6-B	M1649AERCPD5303A	CRIMP O-RING FOR OD 8.5 CABLE	SILICON RUBBER 60°	
7	M1649AE04MD5301A	RUBBER BOOT	SILICON RUBBER 70°	1

3	54927010030	N/A	OD 5.5~6.5mm(24AWG)	W/O 6&7
2	54927010020	649KE08MDDD1NGA3	OD 7.5~8.5 mm(24AWG)	STANDARD
1	54927010010	649KE08MDDD1NFA3	OD 5.5~6.5mm(24AWG)	STANDARD
ITEM	P/N	O/N	SPECIAL PRACTICE	NOTE
UNLESS OTHERWISE SPECIFIED TOLERANCE ANG. ±5° 0. ±0.50 0. ±0.30 0.00 ±0.20		 SIP  Cmk Cpk	 CHANT SINCERE CO.,LTD	
SCALE: AS SHOWN		UNIT: mm		
DRAWN: KEVIN_ZHENG		17 08 2023		
CHECKED: PEARL_HUNG		17 08 2023	TITLE: M12 X-Code Male Crimp Epoxy Cable end 180°	
APPROVED: PEARL_HUNG		17 08 2023	PART NO. 5492701XXXX	
	SIZE A4	SHEET 1/1	REV. C	C
7		8	9	10

		ECN-2307035(TINA)Added part number	13JUL2023
C1,D2,D4,E5,G9		ECN-182005(Riley)Modify Semifinished Product	18JAN2018
ZONE	REVISION	DESCRIPTION	DATE