



NO.	WIRE COLOR	WIRE SPEC.
Pin1	RED	4mm <sup>2</sup>
Pin2	BROWN	22AWG
Pin3	BLACK	4mm <sup>2</sup>
Pin4	GREEN	22AWG
Pin5	PURPLE AND WHITE	22AWG
Pin6	PURPLE	22AWG
Pin7	WHITE	22AWG
Pin8	BLUE	22AWG

REV.	ECN NO.	OR DESCRIPTION	REVISED	DATE
A	PDR NO:A191125-2A		Vincet	2020.08.17
B	ECN NO:S202011-C25		JY	2020.12.21
C	ECN NO:S202206-C07		JY	2022.06.15

**SPECIFICATIONS:**

- 1. ELECTRICAL CHARACTERISTICS:**  
 1-1. RATING:DC60V,32A PEAK45A.  
 1-2. CONTACT RESISTANCE: 2.0 Max.(WITH CABLE)  
 1-3. DIELECTRIC WITHSTANDING VOLTAGE: 500V AC FOR ONE MINUTE.  
 1-4. INSULATION RESISTANCE: 50M Ω Min. MEASURED BY 500 VDC
- 2. MECHANICAL CHARACTERISTICS:**  
 2-1. INSERTION/WITHDRAWL FORCE : 0.6 kgf Min. (INITIAL)  
 3. TEMPERATURE RISE CAN'T EXCEED 50°C (ONLY FOR CONNECTOR SIDE)  
 4. LIFE TEST: 5000 CYCLES Min.  
 5. TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.  
 6. GREEN PRODUCT IDENTIFICATION LABEL ON PACKAGING: **OR-PASS**  
 7. MATCH WITH SINGATRON BATTERY FEMALE CONN.29A3JW01  
 8. WATERPROOF RATING: IPX7(WHEN PROPERLY MATED)

H	LIQUID GLUE	1	JA723A+B	BLACK
G	PIN2	6	BRASS	Gold Flash PLATING, OVER 50A ℓk
F	OVER MOLD	1	PLASTIC	BLACK
E	INNER MOLD	1	PLASTIC	NATURE
D	GASKET	1	SILICONE	BLACK
C	CABLE	1	4.0mm <sup>3</sup> X2C+(22AWG*1P+AL) +22AWGX4C	ORANGE
B	DISCHARGE PIN1	2	BRASS	Gold Flash PLATING, OVER 50A ℓk
A	HOUSING	1	THERMOPLASTIC	BLACK
NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR

UNLESS OTHERWISE SPECIFIED TOLERANCES

DECIMALS: ANGLES:

X :±0.5 X :±2°  
 X.X :±0.3 X.X :±1°  
 X.XX :±0.2

TITLE	BATTERY DISCHARGE CONN. WITH CABLE
DWN	JY
CHKD	JUN
APVD	STEVE
PART NO. 2BW3100-111111H	
SCALE 1:1 UNIT: mm	
SIZE: A3 SHEET: 1 OF 1 REV: C	
CUSTOMER COPY	

**Singatron** Suzhou Singatron Auto Electronics CO.,LTD.  
 Material Division 苏州信昌汽车电子有限公司