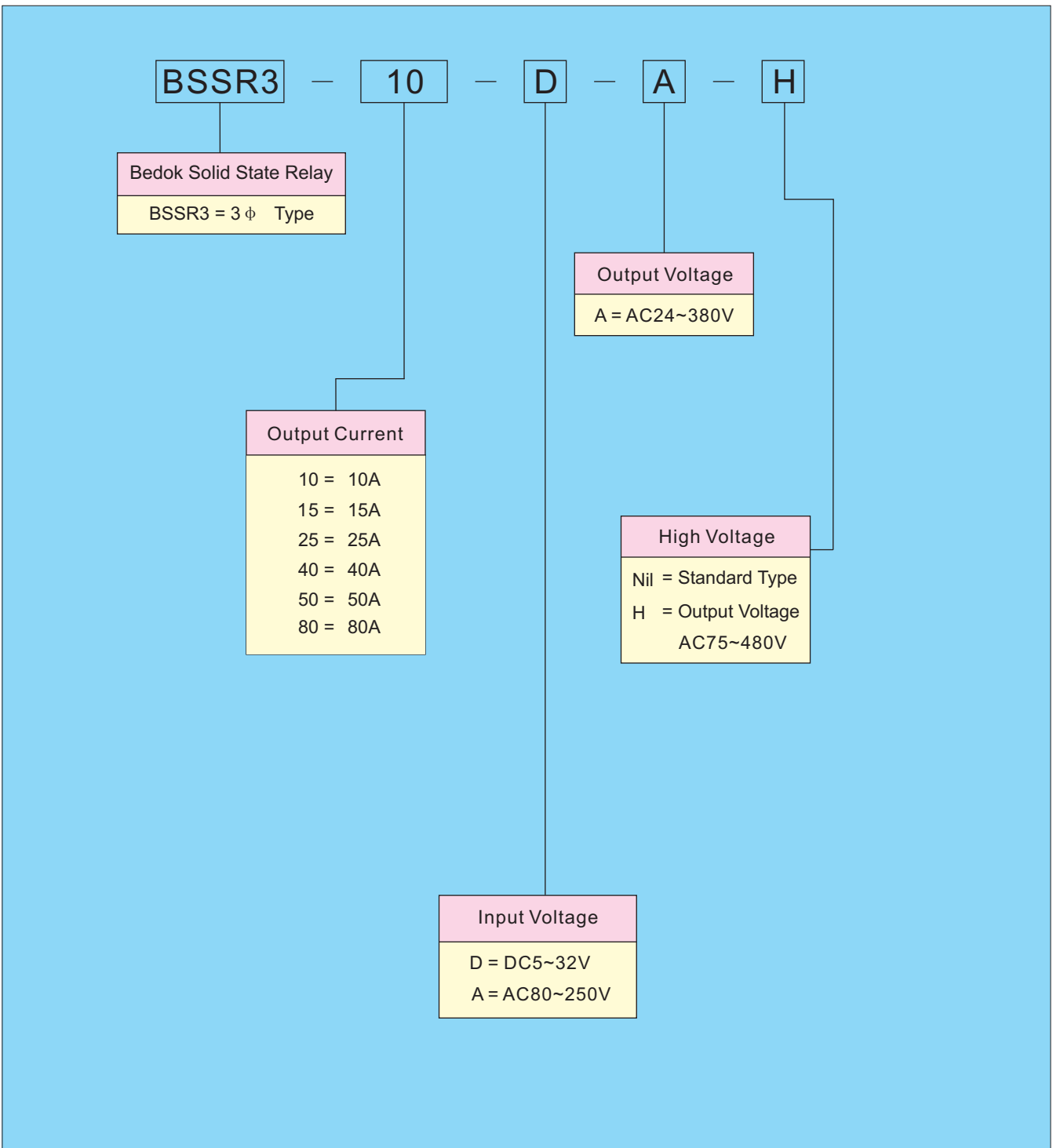


BSSR3 Series

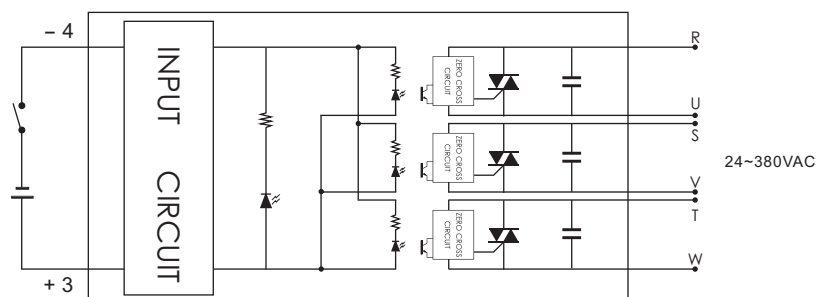


- Built-in operation indicator
- High isolation over than 50MΩ(500VDC)
- High dielectric over than 2.5KV
- Low EMI / EFI & surge by zero cross trigger method
- Output snubber circuit protection



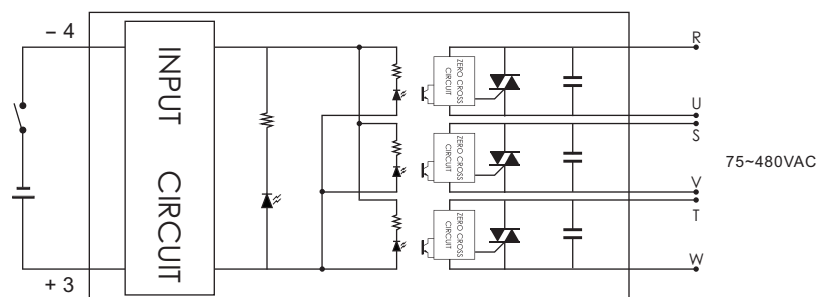
| MODEL                 | BSSR3-10DA                 | BSSR3-15DA | BSSR3-25DA | BSSR3-40DA | BSSR3-50DA | BSSR3-80DA |
|-----------------------|----------------------------|------------|------------|------------|------------|------------|
| LOAD CURRENT          | 10A                        | 15A        | 25A        | 40A        | 50A        | 80A        |
| INPUT DATA            |                            |            |            |            |            |            |
| OPERATING VOLTAGE     | 5~32VDC                    |            |            |            |            |            |
| TRIGGER CURRENT       | 20mA/12VDC max             |            |            |            |            |            |
| CONTROL METHOD        | Zero Cross Trigger         |            |            |            |            |            |
| OUTPUT DATA           |                            |            |            |            |            |            |
| OPERATING VOLTAGE     | 24~380VAC                  |            |            |            |            |            |
| VOLTAGE DROP          | 1.6V                       |            |            |            |            |            |
| LEAKAGE CURRENT       | < 3.0mA                    |            |            |            |            |            |
| RESPONSE TIME         | ON<10ms, OFF<10ms          |            |            |            |            |            |
| GENERAL DATA          |                            |            |            |            |            |            |
| INSULATION RESISTANCE | Min. 50MΩ (500VDC)         |            |            |            |            |            |
| DIELECTRIC STRENGTH   | 2500VAC 50/60 Hz for 1 min |            |            |            |            |            |
| AMBIENT TEMPERATURE   | -20℃ ~+80                  |            |            |            |            |            |
| AMBIENT HUMIDITY      | 45%~85%RH                  |            |            |            |            |            |
| WEIGHT                | Appr. 320g                 |            |            |            |            |            |

CONNECTION DIAGRAM



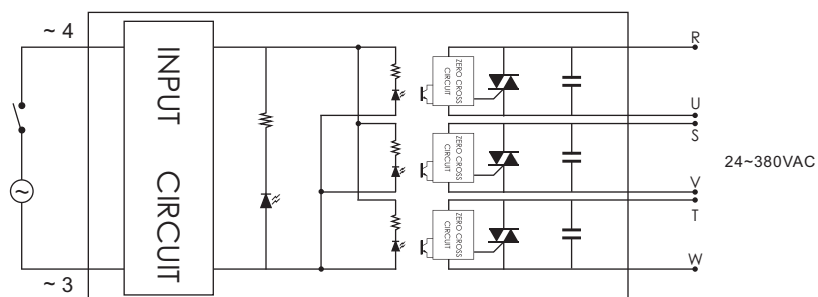
| MODEL                 | BSSR3-10DA-H               | BSSR3-15DA-H | BSSR3-25DA-H | BSSR3-40DA-H | BSSR3-50DA-H | BSSR3-80DA-H |
|-----------------------|----------------------------|--------------|--------------|--------------|--------------|--------------|
| LOAD CURRENT          | 10A                        | 15A          | 25A          | 40A          | 50A          | 80A          |
| INPUT DATA            |                            |              |              |              |              |              |
| OPERATING VOLTAGE     | 5~32VDC                    |              |              |              |              |              |
| TRIGGER CURRENT       | 20mA/12VDC max             |              |              |              |              |              |
| CONTROL METHOD        | Zero Cross Trigger         |              |              |              |              |              |
| OUTPUT DATA           |                            |              |              |              |              |              |
| OPERATING VOLTAGE     | 75~480VAC                  |              |              |              |              |              |
| VOLTAGE DROP          | 1.6V                       |              |              |              |              |              |
| LEAKAGE CURRENT       | < 5.0mA                    |              |              |              |              |              |
| RESPONSE TIME         | ON<10ms, OFF<10ms          |              |              |              |              |              |
| GENERAL DATA          |                            |              |              |              |              |              |
| INSULATION RESISTANCE | Min. 50MΩ (500VDC)         |              |              |              |              |              |
| DIELECTRIC STRENGTH   | 2500VAC 50/60 Hz for 1 min |              |              |              |              |              |
| AMBIENT TEMPERATURE   | -20℃ ~+80                  |              |              |              |              |              |
| AMBIENT HUMIDITY      | 45%~85%RH                  |              |              |              |              |              |
| WEIGHT                | Appr. 320g                 |              |              |              |              |              |

CONNECTION DIAGRAM



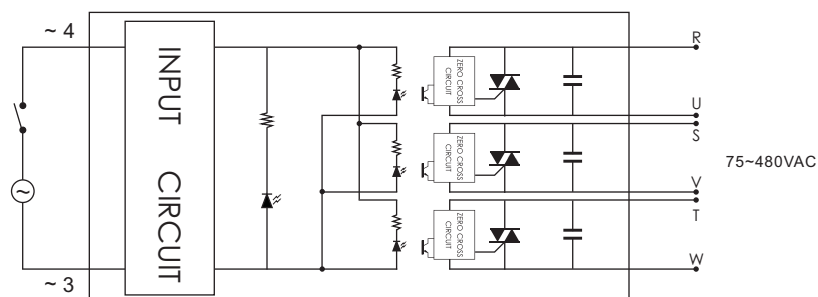
| MODEL                 | BSSR3-10AA                 | BSSR3-15AA | BSSR3-25AA | BSSR3-40AA | BSSR3-50AA | BSSR3-80AA |
|-----------------------|----------------------------|------------|------------|------------|------------|------------|
| LOAD CURRENT          | 10A                        | 15A        | 25A        | 40A        | 50A        | 80A        |
| INPUT DATA            |                            |            |            |            |            |            |
| OPERATING VOLTAGE     | 80~250VAC 50/60Hz          |            |            |            |            |            |
| TRIGGER CURRENT       | 15mA/110VAC max            |            |            |            |            |            |
| CONTROL METHOD        | Zero Cross Trigger         |            |            |            |            |            |
| OUTPUT DATA           |                            |            |            |            |            |            |
| OPERATING VOLTAGE     | 24~380VAC                  |            |            |            |            |            |
| VOLTAGE DROP          | 1.6V                       |            |            |            |            |            |
| LEAKAGE CURRENT       | < 3.0mA                    |            |            |            |            |            |
| RESPONSE TIME         | ON<20ms, OFF<20ms          |            |            |            |            |            |
| GENERAL DATA          |                            |            |            |            |            |            |
| INSULATION RESISTANCE | Min. 50MΩ (500VDC)         |            |            |            |            |            |
| DIELECTRIC STRENGTH   | 2500VAC 50/60 Hz for 1 min |            |            |            |            |            |
| AMBIENT TEMPERATURE   | -20℃ ~+80                  |            |            |            |            |            |
| AMBIENT HUMIDITY      | 45%~85%RH                  |            |            |            |            |            |
| WEIGHT                | Appr. 320g                 |            |            |            |            |            |

CONNECTION DIAGRAM



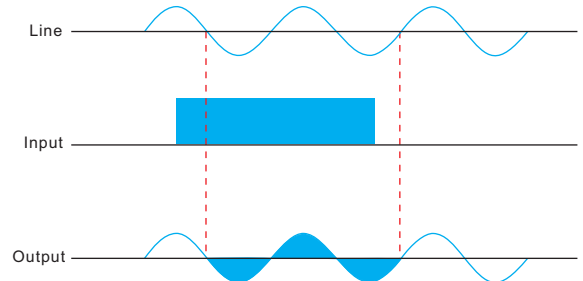
| MODEL                 | BSSR3-10AA-H               | BSSR3-15AA-H | BSSR3-25AA-H | BSSR3-40AA-H | BSSR3-50AA-H | BSSR3-80AA-H |
|-----------------------|----------------------------|--------------|--------------|--------------|--------------|--------------|
| LOAD CURRENT          | 10A                        | 15A          | 25A          | 40A          | 50A          | 80A          |
| INPUT DATA            |                            |              |              |              |              |              |
| OPERATING VOLTAGE     | 80~250VAC 50/60Hz          |              |              |              |              |              |
| TRIGGER CURRENT       | 15mA/110VAC max            |              |              |              |              |              |
| CONTROL METHOD        | Zero Cross Trigger         |              |              |              |              |              |
| OUTPUT DATA           |                            |              |              |              |              |              |
| OPERATING VOLTAGE     | 75~480VAC                  |              |              |              |              |              |
| VOLTAGE DROP          | 1.6V                       |              |              |              |              |              |
| LEAKAGE CURRENT       | < 5.0mA                    |              |              |              |              |              |
| RESPONSE TIME         | ON<10ms, OFF<10ms          |              |              |              |              |              |
| GENERAL DATA          |                            |              |              |              |              |              |
| INSULATION RESISTANCE | Min. 50M $\Omega$ (500VDC) |              |              |              |              |              |
| DIELECTRIC STRENGTH   | 2500VAC 50/60 Hz for 1 min |              |              |              |              |              |
| AMBIENT TEMPERATURE   | -20 $^{\circ}$ C ~+80      |              |              |              |              |              |
| AMBIENT HUMIDITY      | 45%~85%RH                  |              |              |              |              |              |
| WEIGHT                | Appr. 320g                 |              |              |              |              |              |

CONNECTION DIAGRAM



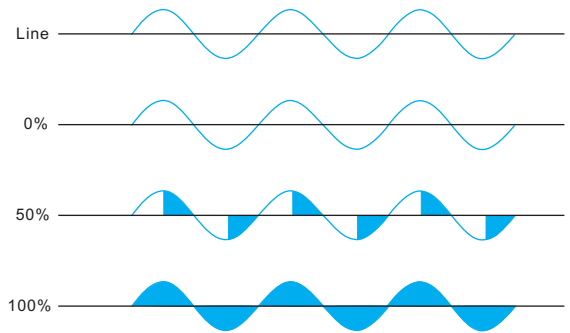
## Control Method Zero Cross Trigger Method

Output TURN ON or TURN OFF  
 Only on zero cross point of sine wave , may avoid surge or EMI / RFI occuring  
 Specially suited to control resistive, capacitive and Non-saturated inductive loads



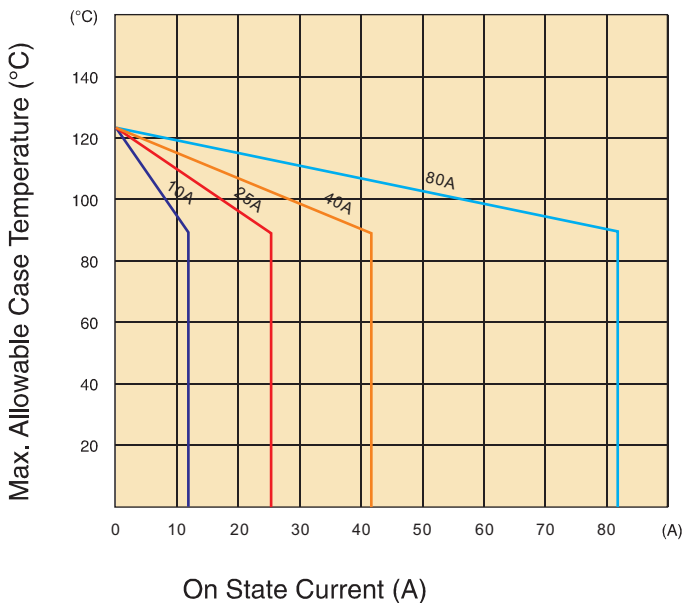
## Variable Resistance Control Method < Trimmer Control >

Power output is controlled by the trigger angle of triac With variable resistor 250K $\Omega$  / 110VAC, 500K $\Omega$  / 220VAC, 1M $\Omega$  / 380V

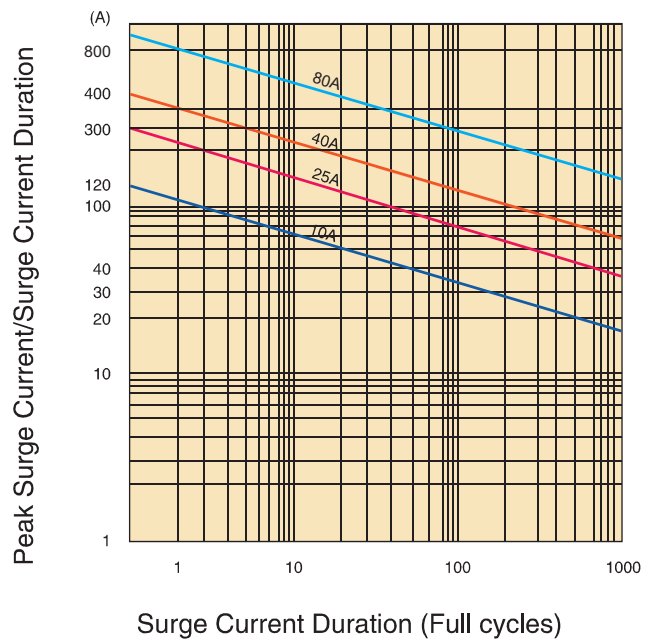


## Referance Data

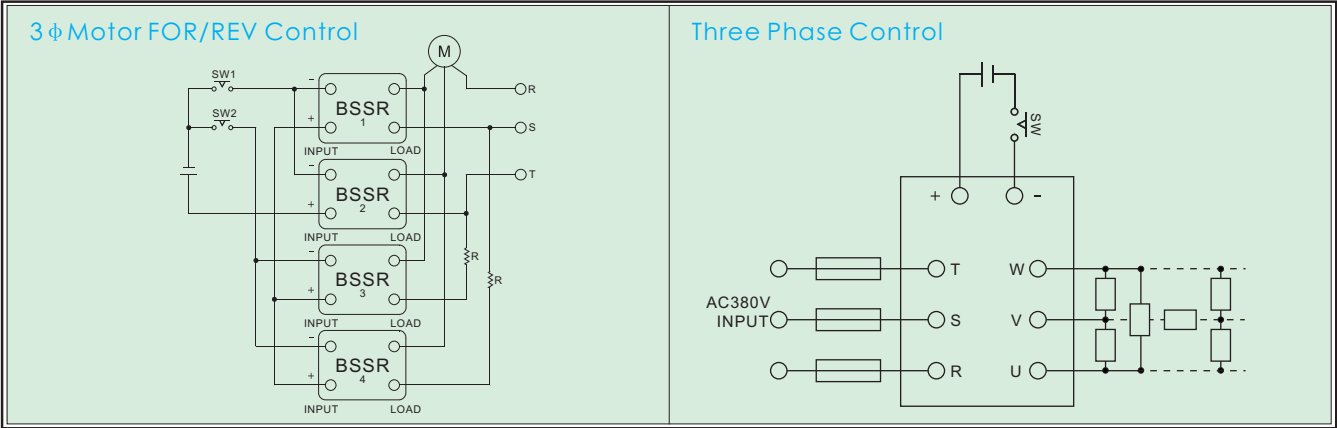
Max. Allowable Case Temperature



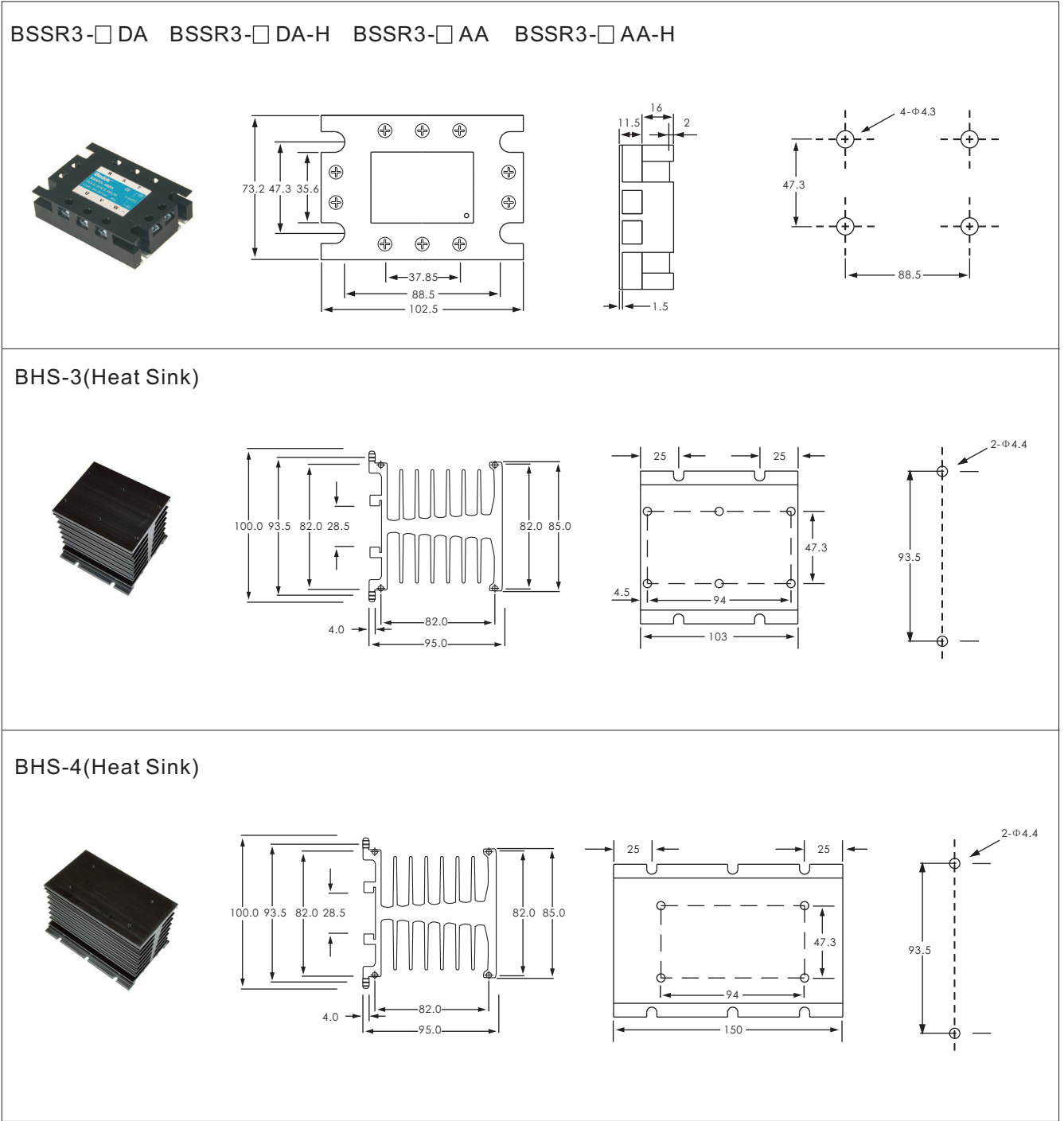
Peak Surge Current/Surge Current Duration



**CONNECTION DIAGRAMS & DIMENSIONS**



**DIMENSIONS**



BHS-5(Heat Sink)

