

Short Circuit Current Rating (SCCR) for CG SSRs

The models listed in the table hereunder are suitable for use on a circuit capable of delivering not more than 65kArms, 600V max. when protected by indicated UL listed fuses. Tests setup, procedure and acceptance criteria are according to standard UL 508 - Industrial Control Equipment. Tests were witnessed by UL engineers and test records are referenced in UL file E80573 Vol.3 & Vol.4.

Protection coordination:

Type 1 protection implies that after a short circuit, the device under test will no longer be in a functioning state. Whilst in Type 2 protection the device under test will still be functional after the short circuit. In both cases, however the short circuit has to be interrupted. The fuse between enclosure and supply shall not open. The door or cover of enclosure shall not be blown open. There shall be no damage to conductors or terminals and the conductors shall not separate from terminals. There shall be no breakage or cracking of insulating bases to the extent that the integrity of the mounting of live parts is impaired. Discharge of parts or any risk of fire shall not occur.



Tested models	E80573		Models represented	Fuse type & rating needed	Protection Coordination	
	Volume	Section				
RJ1A60D20E RN1A60D30	3	20	RM1xxxx25	Class CC (fast acting), max 30A	Type 1	
	4	3				
	3	20	RAM1xxxx25			
	3	14	RJ1xxxx20x			
	3	17	RJ1Pxxx30x			
	3	18	RX1xxxx25			
	3	13	RN1xxxx30,RN2xxxx30			Class J (fast acting), max 30A
	3	1	RAxx25xxxx			
	4	2				
	3	4	RA2xxxx25x			
	4	1				



Tested models	E80573		Models represented	Fuse type & rating needed	Protection Coordination		
	Volume	Section					
RM1A60D50 RM1A48D50 RA6050-D16 RA2A60D40	3	20	RM1xxxx50, RAM1Axxxx50	Class J (fast acting), max 50A	Type 1		
	4	3					
	4	3	RAM1xxxx50				
	4	10	RJCSxxxxxx30xxxx				
	3	14	RJ1xxxx30x				
	4	11	RJ2xxxx18x, RJT3xxxx20/25xx				
	3	18	RX1xxxx32/50			HSJ20 (combination fuse) from Ferraz	Type 2
	3	13	RN1xxxx50, RN2xxxx50				
	4	5	RA2xxxx40x				
	3	4	RAxx50xxxx				
4	1						



Tested models	E80573		Models represented	Fuse type & rating needed	Protection Coordination
	Volume	Section			
RM1A60D75 RX1A60D51	3	20	RM1xxxx75	Class J (fast acting), max 100A	Type 1
	4	3			
	3	20	RAM1xxxx75, RAMxxxx100		
	3	14	RJ1xxxx45x		
	3	13	RN1xxxx63	HSJ40 (combination fuse) from Ferraz	Type 2
	3	18	RX1xxxx51		
	3	20	RX1C/RM1Exxxx100		
	3	4	RAxx90xxxx		
	4	1			



Tested models	E80573		Models represented	Fuse type & rating needed	Protection Coordination
	Volume	Section			
RM1A60D100 RJ1A60D50E	3	20	RM1xxxx100	Class J (fast acting), max 125A HSJ60 (combination fuse) from Ferraz	Type 1
	4	3			
	3	20	RAM1xxxx125		
	3	14	RJ1xxxx50/70/75/90x		
	3	17	RJ1Pxxxxx50/70/75xx		
	3	19	RJ1Pxxxxx50		Type 2
	4	1	RAxx110xxxx		
	4	8	RJD2xxxx30/45x		
	4	10	RJCSxxxxx50xxx		
	3	20	RM1C/RM1Exxxx125		

Tested models	E80573		Models represented	Fuse type & rating needed	Protection Coordination
	Volume	Section			
RJ2A60D12E	3	13	RN3xxxx15	Class CC (fast acting), max 25A	Type 1
	4	13	RZ3xxxx25		
	3	16	RJ2xxxx12x		



Tested models	E80573		Models represented	Fuse type & rating needed	Protection Coordination
	Volume	Section			
RZ3A60D55 RJ2A60D32 RJ3A60D32EP RN3A60D30	3	13	RN3xxxx30	Class CC (fast acting), max 30A	Type 1
	4	13	RZ3xxxx55		
	3	16	RJ2xxxx18x	Class J (fast acting), max 50A	
	4	11	RJ2xxxx25/32xx, RJ3xxxx20/25/32xx	HSJ20 (combination fuse) from Ferraz	

Tested models	E80573		Models represented	Fuse type & rating needed	Protection Coordination
	Volume	Section			
RZ3A60D75	4	13	RN3xxxx75	Class J (fast acting), max 70A HSJ40 (combination fuse) from Ferraz	Type 1

