

Acti9 products

The following table indicates the average dissipated power per pole in W for a current equal to the rating of the device and at the operating voltage.

Rating (A)	0.5	1	1.6	2	2.5	3	4	6	6.3	10	12.5	13	16	20	25	32	40	50	63	80	100	125
Circuit breakers																						
iC60N/H/L	2.3	2.3		1.9		2.2	2.4	1.3		2		2	2.1	2.2	2.7	2.8	3.6	4	5.6			
iC60L-MA			0.7		0.2		0.6		0.9	1.1	1.5		1.6		0.8		2					
iK60		2.3		1.9		2.2	2.4	2.7		1.8			2.5	3	3.1	3.5	3.6	4	5.6			
RCCB																						
iID 2P													0.8		0.9		2.6		2.6	3	5	
4P															0.7		1.9		1.5	2.6	4.3	
iID K															2.7		3.6		5.6			
Add-on residual current devices																						
Vigi iC60 10 mA																3						
30 mA																1.4		1.1		2.3		
100 mA																1.1				2.3		
300 mA																1.3		0.9		2.3		
500 mA																1.1		0.9		2.3		
1000 mA																				2.3		
Contactors																						
iCT/iCT+ Power circuit													0.6	0.9	1.4		1.5		3.4		4	
Control circuit	See module CA904007																					
Impulse relays																						
iTL/iTL+ Power circuit													0.6			1.5						
Control circuit	See module CA904008																					
Push-buttons																						
iPB														0.6								
Selector switches																						
iSSW														0.8								
iCMA/iCMB/iCMC/ iCMD/iCMV									0.4													
Switch-disconnectors																						
iSW														0.8		1.3	1.1		1.8		3.4	4.2
iSW-NA 2P																	0.7		1.8		3	5
4P																	0.6		1.5		2.5	4.1
Indication auxiliaries																						
iOF, iSD, iOF/SD+OF	See module CA908028																					
Déclencheurs auxiliaires																						
iMN, iMNs, iMNx, iMX+OF, iMX, iMSU	See module CA908029																					
Indicator lights																						
iIL	0.3																					

Note: When the enclosure's thermal balance, consider the 4P devices load is only on 3 phases

Impedance calculation:

$$Z = P / I^2$$

Z: impedance in Ohms

P: dissipated power in Watts (table values)

I: rating in Amperes

Voltage drop calculation:

$$U = P / I$$

U: voltage drop in Volts

P: dissipated power in Watts (table values)

I: rating in Amperes

Dissipated power, Impedance and Voltage drop (cont.)

Multi 9 products

The following table indicates the average dissipated power per pole in W for a current equal to the rating of the device and at the operating voltage.

Rating (A)	0.5	1	1.6	2	2.5	3	4	6	6.3	10	12.5	13	16	20	25	32	40	50	63	80	100	125	
Circuit breakers																							
DPN		2.5		1.9		2.1	2.6	2.7		2.7		3.3	3.2	4.7	4.7	4.6	5.8						
C60/C60H-DC	2.2	2.3		2.6		2.2	2.4	2.7		1.8		2.5	2.5	3	3.1	3.5	4.3	4.8	6.1				
C120										1.3			2.1	2.3	2.5	3.2	3.1	3.2	3	3.2	2	4.1	
NG125										1.7			2.4	2.7	2.7	3.8	3.8	4.2	4	5.6	5.2	8	
C60L-MA			2.4		2.5		2.4		3	2	2.5		2.6		3		4.6						
NG125L-MA							0.15		0.15	0.2	0.4		0.3		0.6		1.4		2	2.7			
RCCB																							
ID Type A/AC																1.4		3.6		4.4	7.2	18	28
ID Type B																1.2		2.9		7.2	12	18	28
Contactors																							
CT/CT+ Power circuit													0.9				1.4						
Control circuit	See module 92020																						
Impulse relays																							
TL/TL+ Power circuit													0.9			1.4							
Control circuit	See module 92011																						
Push-buttons																							
PB														0.6									
Selector switches																							
CM														0.8									
CMA/CMB/CMC/CMD/CMV									0.4														
Switch-disconnectors																							
I														0.8		1.3	1.1		1.8		3.4	4.2	
I-NA																	3.2		3.2				
NG125NA																			2	2.7	4	7	
Indication auxiliaries																							
OF, SD, OF+SD/OF	See module 92605																						
Tripping auxiliaries																							
MN, MNs, MNx, MX+OF, MX, MSU	See module 92605																						
Indicator lights																							
V	0.3																						

Note: When the enclosure's thermal balance, consider the 4P devices load is only on 3 phases

Impedance calculation:

$$Z = P / I^2$$

Z: impedance in Ohms

P: dissipated power in Watts (table values)

I: rating in Amperes

Voltage drop calculation:

$$U = P / I$$

U: voltage drop in Volts

P: dissipated power in Watts (table values)

I: rating in Amperes