

## Acti 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	
<b>Circuit breakers</b>																							
iC60N/H/L	2.3	2.3		1.9		2.2	2.4	1.3		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					
<b>RCCB</b>																							
iID 2P													0.8		0.9		2.6		2.6	3	5		
iID 4P														0.7		1.9		1.5	2.6	4.3			
iID K														2.7		3.6		5.6					
<b>Add-on residual current devices</b>																							
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					
<b>Contactors</b>																							
iCT Power circuit														0.6	0.9	1.4		1.5	3.4		4		
Control circuit	See module CA904007																						
<b>Impulse relays</b>																							
iTL Power circuit														0.6		1.5							
Control circuit	See module CA904008																						
<b>Push-buttons</b>																							
iPB														0.6									
<b>Selector switches</b>																							
iSSW														0.8									
iCMA/iCMB/iCMC/ iCMD/iCMV														0.4									
<b>Switch-disconnectors</b>																							
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		
<b>Indication auxiliaries</b>																							
iOF, iSD, iOF/SD+OF	See module CA908028																						
<b>Déclencheurs auxiliaires</b>																							
iMN, iMNs, iMNx, iMX+OF, iMX, iMSU	See module CA908029																						
<b>Indicator lights</b>																							
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

## 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	
<b>Circuit breakers</b>																							
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	3.8	4.8	4.3	7.9		
C60L-MA			2.4		2.5		2.4		3	2	2.5		2.6		3		4.6						
NG125L-MA						3		2	2	3.1		2.5		3.2		4		5.5	6				
<b>RCCB</b>																							
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
<b>Contactors</b>																							
CT	Power circuit												0.9					1.4					
	Control circuit	See module 92020																					
<b>Impulse relays</b>																							
TL	Power circuit												0.9				1.4						
	Control circuit	See module 92011																					
<b>Push-buttons</b>																							
PB													0.6										
<b>Selector switches</b>																							
CM													0.8										
CMA/CMB/CMC/CMD/													0.4										
CMV																							
<b>Switch-disconnectors</b>																							
I													0.8		1.3	1.1		1.8		3.4	4.2		
I-NA																3.2		3.2					
NG125NA																	5.5	6	7	9			
<b>Indication auxiliaries</b>																							
OF, SD, OF/SD+OF	See module 92605																						
<b>Tripping auxiliaries</b>																							
MN, MNS, MNx, MX+OF	See module 92605																						
MX, MSU																							
<b>Indicator lights</b>																							
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