

Power dissipated and resistance per pole

Compact INS	40	63	80	100	125	160		
Rating (A)	40	63	80	100	125	160		
Resistance per pole (mΩ)	0.3	0.3	0.3	0.2	0.2	0.2		
Power dissipated per pole (W)	0.5	1.2	1.9	2	3.1	5.1		
Compact INS/INV	100	160	200	250	320	400	500	630
Rating (A)	100	160	200	250	320	400	500	630
Resistance per pole (mΩ)	0.15	0.15	0.15	0.15	0.06	0.06	0.06	0.06
Power dissipated per pole (W)	1.5	4	6	9.5	6.1	9.6	15	24
Compact INS/INV	800	1000	1250	1600	2000	2500		
Rating (A)	800	1000	1250	1600	2000	2500		
Resistance per pole (mΩ)	0.024	0.024	0.024	0.024	0.012	0.012		
Power dissipated per pole (W)	16	24	38	62	48	75		

Temperature derating

Compact INS	40	63	80	100	125	160			
Front connection with bare-cable connectors or lugs									
Thermal current I _{th} at	60 °C	40	63	80	100	125	160		
	65 °C	40	63	80	100	125	160		
	70 °C	40	63	80	100	125	150		
Compact INS/INV	100	160	200	250	320	400	500	630	
Front connection / rear connection									
Thermal current I _{th} at	60 °C	100	160	200	250	320	400	500	630
	65 °C	100	160	200	250	320	400	500	590
	70 °C	100	160	200	250	320	400	500	550
Front connection with right-angle terminal extension + bare-cable connectors									
Thermal current I _{th} at	55 °C	100	160	200	250	320	400	500	630
	60 °C	100	160	200	250	320	400	500	590
	65 °C	100	160	200	250	320	400	500	550
	70 °C	100	160	200	240	320	400	500	510
Front connection / rear connection with ammeter or CT module									
Thermal current I _{th} at	40 °C	100	160	200	250	320	400	500	600
	50 °C	100	160	200	250	320	400	500	575
	55 °C	100	160	200	250	320	400	500	540
	60 °C	100	160	200	240	320	400	500	505
	65 °C	100	160	200	230	320	400	480	480
	70 °C	100	160	200	210	320	400	450	450

Note: thermal current I_{th} in Amps (QA).