

Technical Data		Value	Units
Commercial data			
Code		77707969	
Part Number		PSM8-40/1000 PV IR	
Status		Available	
Tariff code (HS)		8536.30.90	
Dimensions			
Product height		90	[mm]
Product width		144	[mm]
Product length		70	[mm]
General data			
Internal configuration		YPV	
No. poles		8	
No. DIN rail modules		8	
Installation		(L+/L-)	
Format		Pluggable	
Network configuration		PV MPPT	
Product standards		IEC 61643-31; EN 50539-11; UTE C 61-740-51	
Certifications		CE; UL(US+C) 1449 4th Edition	
Designation according to EN 50539-11		PV Type 2	
Insulating material & flammability class		PA66 CT1; V-0	
Enclosure		IP 20	
Temperature range		-40 °C ... +85 °C	
Technical features			
Maximum continuous operating voltage DC	Ucpv	1060	[V]
Maximum discharge current (8/20)	I _{max}	40	[kA]
Nominal discharge current (8/20)	I _n	20	[kA]
Voltage protection level (L-L) at I _n	U _p (L-L)	≤ 4,0	[kV]
Voltage protection level (L-PE) at I _n	U _p (L-PE)	≤ 4,0	[kV]
Short circuit withstand	I _{scpv}	10000	[A]
Response Time	t _A	25	[ns]
Remote indication		Yes	
Visual end of life indication		Yes	
Dynamic thermal disconnection		Yes	
UL Technical features			

File UL		E360120	
SPD UL Type		2CA	
Maximum continuous operating voltage (DC+-DC-)	MCOV (DC+-DC-)	1000	[V]
Maximum continuous operating voltage (DC+ -G)	MCOV (DC+ -G)	1000	[V]
Maximum continuous operating voltage (DC- - G)	MCOV (DC- - G)	1000	[V]
Nominal discharge current (UL)	In	20	[kA]
Voltage protection rating (DC+ - DC-)	VPR (DC+ - DC-)	3000	[V]
Voltage protection rating (DC+ - PE)	VPR (DC+ - G)	3000	[V]
Voltage protection rating (DC- - PE)	VPR (DC- - G)	3000	[V]
Short circuit current rating	SCCR	50	[kA]