

Product Brief

Infineon® Power Start

One foot-print fits all current classes

Our new soft starter module family meets the market's needs for cost effective and compact semiconductor solutions. With its new design, Power Start focusses on reducing complexity and number of components. It allows for one slim foot-print of 55 mm fitting a broad range of current classes. In comparison, other existing soft start solutions need several different housings. This new feature enables straightforward integration of the module together with the bypass contactor into the typical design space.

Power Start provides an integrated heatsink and can be mounted easily and without having to use thermal grease. The module makes use of double sided cooling, thus it can withstand overload currents of up to 2200 A for duration of 21 seconds.

The new soft starter modules are available with blocking voltages of 1600V in the current classes starting at 800 A, 1400 A, 1900 A, and 2200 A. And with blocking voltages of 2200 V starting at 1200V and 1900 A.

Customer values

- > Less complexity – one fits all
- > Easy mounting
- > Faster time-to-market
- > Best Power to Price Ratio for cost sensitive applications

Key features

- > One slim foot-print
- > Reduction to essential components
- > Integrated heatsink & no thermal grease
- > Thermal capacity directly coupled to silicon
- > Double side cooling
- > Second Source available

Applications

Typical low voltage soft start applications:

- > Belt conveyors
- > Big fans
- > Mills
- > Pumps for water and waste water
- > Pumps for oil production

Smooth and powerful

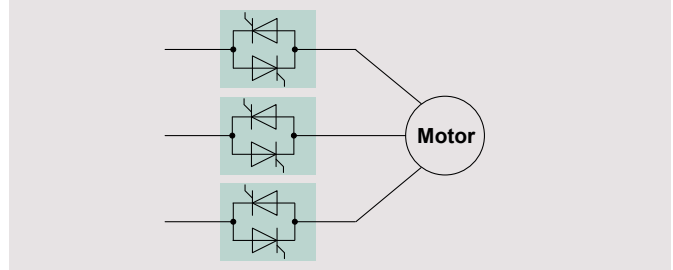


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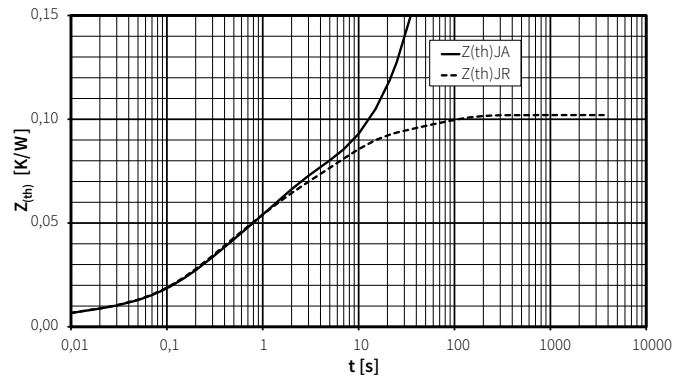
System Approach

- › Comfortable integration with the bypass contactor into the typical design space
- › Pre-assembled & ready to use
- › Heat sink design included
- › Up to 2200A overload current for 21 s possible



Basic data

Type	sTT800N16P55	sTT1400N16P55	sTT1900N16P55	sTT2200N16P55
vT0 [V]	0,9	0,9	0,9	0,9
rT [mΩ]	0,83	0,49	0,28	0,24
R _{thja(21s)} per arm DC [K/W]	0,196	0,118	0,074	0,082



Ordering information

OPN -Ordering part number	SP Number Ordering Code	MOQ*	Package
sTT800N16P55XPSA1	SP001630156	1	BG-PS55-1
sTT1400N16P55XPSA1	SP001630148	1	BG-PS55-1
sTT1900N16P55XPSA1	SP001630152	1	BG-PS55-1
sTT2200N16P55XPSA1	SP001650702	1	BG-PS55-1
sTT1200N22P55XPSA1	SP002319800	1	BG-PS55-1-1
sTT1900N22P55XPSA1	SP002313938	1	BG-PS55-1-1

MOQ: Minimum Order Quantity

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