



**Motor starter-TPRST025**

URL:<https://www.sxplc.com/motor-starter-tprst025>

**Product data sheet**

Product range	TeSys
Product name	TeSys island
Short name of the product	TPRST
Product type	Motor starters
Motor starter type	Direct line
Introduction to the device	Direct starter connected to an automation controller through a bus coupler  Operational only when connected to a bus coupler
Available features	Upstream voltage presence detection  Electrical line and load protection  Power and energy monitoring when connected with TPRVM voltage module
Scope of application	TPRBC bus coupler  TPRVM voltage interface module
Electrode description	3P 3 NO

	AC-3e
Motor power (kW)	<p>5.5 kW when operating voltage <math>\leq 230</math> V, 50 Hz (AC-3),</p> <p>11 kW, when operating voltage <math>\leq 380 \dots 415</math> V, 50 Hz (AC-3),</p> <p>11 kW, when operating voltage <math>\leq 440</math> V, 50 Hz (AC-3),</p> <p>15 kW, when operating voltage <math>\leq 500</math> V, 50 Hz (AC-3).</p> <p>15 kW when operating voltage <math>\leq 690</math> V 50 Hz (AC-3)</p>
motor power HP (UL / CSA)	<p>2 hp when operating voltage <math>\leq 120</math> V AC 60 Hz for 1-phase motors</p> <p>3 hp when operating voltage <math>\leq 240</math> V AC 60 Hz for 1-phase motors</p> <p>7.5 hp when operating voltage <math>\leq 208</math> V AC 60 Hz for 3-phase motors</p> <p>7.5 hp when operating voltage <math>\leq 240</math> V AC 60 Hz for 3-phase motors</p> <p>15 hp when operating voltage <math>\leq 480</math> V AC 60 Hz for 3-phase motors</p> <p>, 20 hp when operating voltage <math>\leq 600</math> V AC 60 Hz for 3-phase motors</p>
Rated operating voltage [UE]	<p><math>\leq 480</math> V AC 47...63 Hz for overvoltage cat. III</p> <p><math>\leq 690</math> V AC 47...63 Hz for overvoltage cat. II</p>
Rated operating current [IE]	<p>25 A (at operating temperature <math>\leq 50</math> °C) When operating voltage <math>\leq 440</math> V AC-3</p> <p>30 A (when operating temperature <math>\leq 50</math> °C) When operating voltage <math>\leq 440</math> V AC-1</p>
Conventional heating current [Ith]	30 A (when operating temperature $\leq 50$ °C)
Rated insulation voltage [UI]	<p>690 V according to IEC 60947-4-1</p> <p>600 V according to UL 60947-4-1</p> <p>600 V according to DIN 3852-Y</p>
Rated impulse withstand voltage [UIMP]	6 kV according to IEC 60947-1

	II for $U_e \leq 690$ V
Thermal type of protection setting range	III for $U_e \leq 25$ A 480 V
Heat-free tow buckle grade	Level 5... 30
reposition	Remotely or automatically
Rated Continuity Capability [IRMS]	450 A when operating at $\leq 440$ V according to IEC 60947
Rated breaking capacity	450 A when operating at $\leq 440$ V according to IEC 60947
Rated short-time withstand current [ICW]	380 A at operating temperature $\leq 40$ °C for 1 s 240 A for 10 s at operating temperature $\leq 40$ °C for 10 s 120 A for 1 minute at $\leq 40$ °C for 50 A For 10 minutes at $\leq 40$ °C
Average impedance	2 mΩ - Ith 30 A 50 Hz
Power consumption per pole	1.25 W AC-3 - Ith 25 A 1.8 W AC-1 - Ith 30 A
Control Loop Voltage [Uc]	24 V DC supplied by the bus coupler
Current consumption	160 mA contactor sealed 160 mA contactor closing
Power consumption W	6.6 W in Ie AC-3

