



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

	II for $U_e \leq 690$ V
Thermal types of overvoltage setting range	III for $U_e \leq 25$ kV IV for $U_e \leq 480$ V
Heat-free tow buckle grade	Level 5... 30
reposition	Remotely or automatically
Rated Continuity Capability [IRMS]	450 A when operating at ≤ 440 V according to IEC 60947
Rated breaking capacity	450 A when operating at ≤ 440 V according to IEC 60947
Rated short-time withstand current [ICW]	380 A at operating temperature ≤ 40 °C for 1 s 240 A for 10 s at operating temperature ≤ 40 °C for 10 s 120 A for 1 minute at ≤ 40 °C for 50 A For 10 minutes at ≤ 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

