


3 Phase, 50/60 Hz, 200-600 VAC 1-40A Wide Range Overload; 1/2-10HP@208/230V

The DXP Industrial Smart Starter comes equipped with our superior SmartStart motor protection. This 3 phase starter comes automation system ready with an input that accepts 200-600 VAC and a wide range 1-40A overload.

DXP Specification

Starter Type			
DSS - DXP Industrial Start/Stop with SmartStart			
Across the line or Full Voltage Non-Reversing			
NEMA 1, 3R, OR 4 enclosed			
Voltage Range: 0- 200-600 VAC			
Amperage Range: 1-40A			
User Interface			
Start/Stop/Remote keypad with mode LEDs (N1 & 3R), Start/Stop/Remote switch & Run Pilot light (N4)			
Standard Control Operations			
Inputs	12-250V Remote	Apply 12- 250VAC/DC to energize	
	Dry Remote	N.O. Dry Contact	
	Shutdown	Apply 12- 250VAC/DC to energize	
	Limit Switch	N.O. Dry Contact	
	Internal Pilot Device	N.O. Dry Contact (N1 & 3R only)	
	External Pilot Device	N.O. Dry Contact (N1 & 3R only)	
Outputs	Proof of Flow Current Status	N.O. Relay Contact Ratings: 110VDC, 0.3A Resistive, 125VDC, 0.5A GP	
	Starter Fault	30VDC, 2.0A Resistive	
		120VAC 50/60Hz, 0.5A Resistive	
		125VAC 50/60Hz, 1.0A GP	
		240VAC 50/60Hz, 0.25A Resistive	
Damper/Actuator	24 VDC, 1A maximum		
Operational	Power Fail Modes	Restart last mode, no delay (default)	
		Restart with 10 second delay	
		Restart Off - LED flashes last mode	
Environmental			
Ambient Operating Temp	-5° to 140° F (-20° to 60° C)		
Ambient Storage Temp	-5° to 185° F (-20° to 85° C)		
Relative Humidity	5% to 95% non-condensing (Nema 1)		
Motor Protection	Adjustment / Description	Default Setting	
Overload Current Setting Range	1-40A	Per FLA	
Overload Trip Class	Adjustable: Class 10 or 20, Trip current = 115% of FLA setting	Class 10	
Cycle Fault	Trip if cycle rate exceeds 20 starts/minute	Always On	
Stall	Trips within 0.5 seconds (disabled during startup)	Always On	
 SMARTSTART [®] Protection	Adjustment / Description		
Current Phase Unbalance	On/Off	On	
Locked Rotor			Trips within 3 sec @ 25% current unbalance *Trip threshold changes to 80% unbalance when switched to Off
Out of Calibration			Trips within 0.5 seconds
Max Time to Start			Trips after 10 seconds if the FLA dial setting is incorrect (set above calculated FLA range), ie. Start current is outside of an acceptable range (fla setting *5 < inrush < fla setting *14)
		Regardless of FLA or I ² t curve, always trip at start if starting current is outside of an acceptable range (inrush / 5) and still decreasing after 10 seconds.	