

NOARK

Information Sheet Manual Motor Starters Ex9SN Series



Ex9SN25A



Ex9SN25B



NOARK Electric's Manual Motor Starters

A perfect blend of quality, performance and exceptional value

Global Acceptance

- Certified to UL 508, CSA 22.2 and IEC 60947-1 and 60947-4-1

Disconnect Function

- Overload protection
- Loss-phase protection

Benefits

- Available with enclosed coils for protection against particle contamination
- Short-circuit protection
- Suitable for three and single-phase application
- Trip-free mechanism
- Clear switch position indication ON/OFF/TRIP
- Lockable handle



Setting Current Range (A)	0.1~0.16	0.16~0.25	0.25~0.4	0.4~0.63	0.63~1	1~1.6	1.6~2.5	2.5~4	4~6.3	6~10	9~14	13~18	17~23	20~25	
Rated Current of Release	0.16	0.25	0.4	0.63	1	1.6	2.5	4	6.3	10	14	18	23	25	
Operating Conditions															
Tripping Class	Class 10 A														
Environmental Temperature	Transportation or Storage	-76 to 176 °F (-60 to +80 °C)													
	Working at	-4 to 131 °F (-20 to +55 °C)													
	Testing at	23 to 104 °F (-5 to +40 °C)													
Altitude ft (m)	Not to exceed 6,562 (2,000)														
Air Conditions	At mounting site, relative humidity not exceed 50% at the max temperature of 104 °F (+40 °C), higher relative humidity is allowable under lower temperature														
Pollution Grade	Class III														
Release Grade	10 A (SN25)														
Rated Operational Frequency (Hz)	50/60														
Mounting Conditions	The inclination between the mounting plane and the vertical plane shall not exceed 5°. The product shall be installed and operated at a place without obvious shake, impact and vibration.														
Rated Insulation Voltage Ui (V)	IEC 690, UL/CSA 600														
Rated Operational Voltage Ue (V)	230/340, 400/415, 440, 50, 690														
Rated Impulse Withstand Voltage Uimp (V)	8,000														
Interrupting Rating Icu	5 kA														
Service Life	Electrical	2,000													
	Mechanical	10,000													
Degree of Protection	IP20														
UL Ratings															
Single-Phase (HP)	120 Vac						-	-	1/8	1/4	1/2	3/4	1	1.5	2
	240 Vac						1/10	1/6	1/3	1/2	1.5	2		3	
Three-Phase (HP)	240 Vac	-	-	-	-		-	1/2	1	1.5	3		10	7.5	
	480 Vac					1/2	3/4	1	2	3	5		15	15	
	600 Vac							1.5	3	5	7.5	10	15	20	
IEC Ratings															
400/415 Vac	Icu (kA)	100													
	Ics % Icu	50													
690 Vac	Icu (kA)	3													
	Ics % Icu	75													
Rated Ultimate Short-Circuit Breaking Capacity Icu (kA)	230/240 V	100													
	400/415 V	100													
	440 V	50													
	480/500 V	15													
	660/690 V	8													
Rated Service Short-Circuit Breaking Capacity Ics (kA)	230/240 V	100													
	400/415 V	100													
	440 V	50													
	480/500 V	15													
	660/690 V	10													
Arcing Distance in (mm)	1.57 (40)														
Standard Rated Power of Three-Phase Motor (kW)	230/240 V	-													
	400 V	0.37													
	415 V	-													
	440 V	0.37													
	500 V	0.75													
660/690 V	0.37	0.55	1.1	1.5	3	4	7.5	9	11	15	18.5				
Current Setting Value of Instantaneous Electromagnetic Release Ir (A)	1.5	2.4	5	8	13	22.5	33.5	51	78	138	170	223	327		
Current Rating of Fuse-Link of Back-Up Fuse, Which is Only Needed in Case of Icc>Icu (Icc: Prospective Short-Circuit Breaking Current)	230/240 V	aM A													
	400/415 V	gl/gG A													
	440 V	aM A													
	500 V	gl/gG A													
	690 V	aM A													
	★: Fuse is not Required														
	80														
100															
63															
80															
100															
63															
80															
50															
63															
50															
63															
16															
25															
32															
40															
40															

