

Product Selection

When Ordering Specify

- Catalog Number of Manual Motor Starter
- Heater Pack selection
- Any required Accessories
- Heater Coil selection according to the motor full load current requirements

Table 13-2. Product Selection — MS Series Starters

Number of Poles	Horsepower	Voltage	Catalog Number ①
Open Type			
1	1 1/4 1/4	120/240V, 277V AC 120/240V DC 32V DC	MST01
2	1 1 1/4	120/240V, 277V AC 120/240V DC 32V DC	MST02
Flush Plate (No Enclosure Included)			
1	Flush Plate Type	Switch Only Switch with Pilot Light	MST01FN MST01FN1P
2	General Purpose	Switch Only Switch with Pilot Light	MST02FN MST02FN1P
1	Stainless Steel	Switch Only Switch with Pilot Light	MST01DN MST01DN1P
2		Switch Only Switch with Pilot Light	MST02DN MST02DN1P
Enclosed Types			
1	Enclosure Type	Switch Only Switch with Pilot Light	MST01SN MST01SN1P
2	General Purpose Type 1	Switch Only Switch with Pilot Light	MST02SN MST02SN1P
1	Waterproof Type 3, 4 & 5	Through Hub	MST01AH
2		Through Hub	MST02AH
1	Hazardous Location ②	Through Hub	MST01EH
2	Types 7D, 9E, 9F & 9G	Through Hub	MST02EH

① Does not include heater. Select heater from **Table 13-3**.

② Type 7D = Type 7, Class I, Group D; Type 9E, 9F and 9G = Type 9, Class II, Groups E, F and G.

Table 13-3. Heater Selection for MS Starters

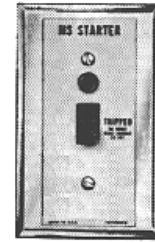
Motor Full Load Current	Catalog Number	Motor Full Load Current	Catalog Number	Motor Full Load Current	Catalog Number	Motor Full Load Current	Catalog Number
.4 – .43	MSH-5A	1.04 – 1.15	MSH1-3A	2.72 – 2.95	MSH3-4A	7.04 – 7.74	MSH8-8A
.44 – .48	MSH-55A	1.16 – 1.27	MSH1-45A	2.96 – 3.27	MSH3-7A	7.75 – 8.46	MSH9-7A
.49 – .53	MSH-61A	1.28 – 1.35	MSH1-6A	3.28 – 3.59	MSH4-1A	8.47 – 9.35	MSH10-6A
.54 – .58	MSH-67A	1.36 – 1.51	MSH1-7A	3.60 – 3.99	MSH4-5A	9.36 – 10.30	MSH11-7A
.59 – .64	MSH-74A	1.52 – 1.67	MSH1-9A	4.00 – 4.39	MSH5-0A	10.31 – 11.35	MSH12-9A
.65 – .71	MSH-81A	1.68 – 1.83	MSH2-1A	4.40 – 4.79	MSH5-5A	11.36 – 12.47	MSH14-2A
.72 – .78	MSH-89A	1.84 – 1.99	MSH2-3A	4.80 – 5.26	MSH6-0A	12.48 – 13.67	MSH15-6A
.79 – .87	MSH-98A	2.00 – 2.23	MSH2-5A	5.27 – 5.83	MSH6-6A	13.68 – 15.12	MSH17-1A
.88 – .95	MSH1-1A	2.24 – 2.47	MSH2-8A	5.84 – 6.39	MSH7-3A	15.13 – 16.00	MSH18-6A
.96 – 1.03	MSH1-2A	2.48 – 2.71	MSH3-1A	6.40 – 7.03	MSH8-0A		



Heater Element Installation



Typical Heater



Switch and Pilot Light Mounted on Flush Plate



Switch and Pilot Light Mounted in Type 1 Enclosure



Waterproof Type 3, 4 & 5



Hazardous Location Type 7D, 9E, 9F & 9G

Accessories

Table 13-1. MS Accessories

Description	Catalog Number
Pilot Light Kit (NEMA 1 Enclosure and Flush Plates)	MSPT
Box, 1 Unit (NEMA 1 Enclosure)	MS1BN
Cover, 1 Unit (NEMA 1 Enclosure)	MS1CN
Flush Plate, 1 Unit (Steel)	MS1FN
Flush Plate, 1 Unit (Stainless Steel)	MS1DN
Handle Guard (Padlockable for NEMA 1 Enclosure and Flush Plates)	MSLG