

Application data :

The motor starters are suitable for

- hazardous areas of zone 1, 2 and zone 21, 22.
- single speed, non-reversing starting and stopping of AC squirrel cage induction motors.
- direct-on-line starting method.

Technical data :

Explosion Protection	: Ex d IIB T6
Conforming to	: Standards IEC 60079-0/1 or UL 60079-1
Marking for test	: Ex II2G
Degree of Protection	: IP66 acc. To IEC 60529
Ambient Temp. (Ta)	: -20 °C to + 40 °C + 55 °C
Protection class for UL.	: Class I, Division 1 or 2 Group. C,D Class II, Division 1 or 2 Groups. E,F,G Class III
Protection class for IEC	: Zone1, 21 and Zone 2, 22
Entries thread	: NPT or ISO thread
Rated voltage	: 380/220v. ±5% 50Hz.



Specification:

Body and cover	: Marine grade copper-free aluminum alloy with epoxy-polyester powder coated , RAL7032(GREY)
Sealing gasket	: Silicone - 40 °C to +175°C
Lid screws	: Stainless steel

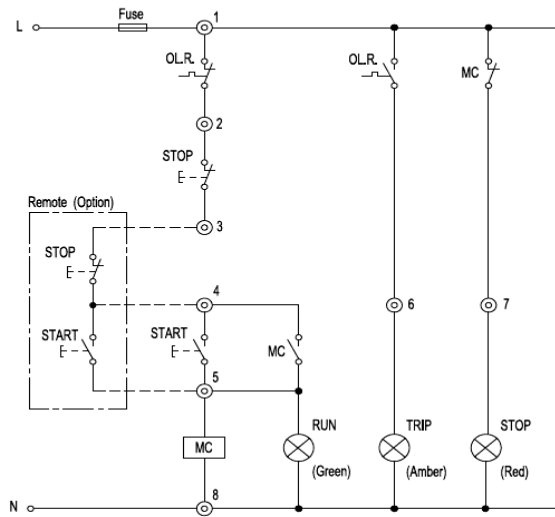
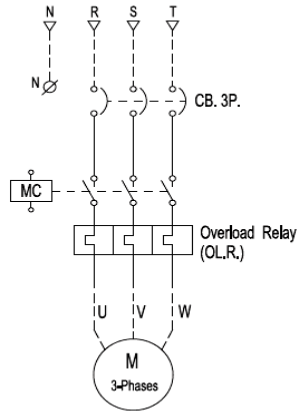
Catalogue Numbers :

3Ph.Motor		Circuit Breaker	MC.Rating,AC3	Overload Relay	Cat.,No.	Enclosure
KW.	HP.	Amp. Trip (AT.)	Full Load Current (Amp.)	Amp.		
0.37	1/2.	NF32-SV 2P/3P 6A	MSO-T12 (1.2)	1 - 1.6	ECSD x37M	JBB 10209
0.55	3/4.	NF32-SV 2P/3P 6A	MSO-T12 (1.6)	1.4 - 2	ECSD x55M	JBB 10209
0.75	1	NF32-SV 2P/3P 6A	MSO-T12 (2.0)	1.7 - 2.5	ECSD x75M	JBB 10209
1.1	1 1/2	NF32-SV 2P/3P 10A	MSO-T12 (2.6)	2. - 3	ECSD 1x1M	JBB 10209
1.5	2	NF32-SV 2P/3P 10A	MSO-T12 (3.5)	2.8 - 4.4	ECSD 1x5M	JBB 10209
2.2	3	NF32-SV 2P/3P 10A	MSO-T12 (5.0)	4. - 6	ECSD 2x2M	JBB 10209
3	4	NF32-SV 2P/3P 16A	MSO-T12 (6.6)	5.2 - 8	ECSD 3M	JBB 10209
3.7	5	NF32-SV 2P/3P 20A	MSO-T12 (8.2)	7. - 11	ECSD 3x7M	JBB 10209
4	5 1/2	NF32-SV 2P/3P 20A	MSO-T12 (8.5)	7. - 11	ECSD 4M	JBB 10209
5.5	7 1/2	NF32-SV 2P/3P 32A	MSO-T21 (11.5)	9 - 13.	ECSD 5x5M	JBB 13219
7.5	10	NF32-SV 2P/3P 32A	MSO-T21 (15.5)	12 - 18.	ECSD 7x5M	JBB 13219
11	15	NF63-CV 2P/3P 50A	MSO-T35 (22.0)	18 - 26.	ECSD 11M	JBB 16209
15	20	NF63-CV 2P/3P 63A	MSO-T50 (30.0)	24 - 34.	ECSD 15M	JBB 16209
18.5	25	NF125-CV 2P/3P 80A	MSO-T50 (37.0)	30 - 40	ECSD 18x5M	JBB 16209
22	30	NF125-CV 2P/3P 100A	MSO-T65 (44.0)	34 - 50	ECSD 22M	JBB 16209
30	40	NF125-CV 2P/3P 125A	MSO-T100 (60.0)	43 - 65	ECSD 30M	JBB 20209
37	50	NF250-CV 2P/3P 150A	MSO-T100 (72.0)	54 - 80	ECSD 37M	JBB 20209
45	60	NF250-CV 2P/3P 175A	MSO-N125 (85.0)	65 - 93	ECSD 45M	JBB 20209
55	75	NF250-CV 2P/3P 200A	MSO-N125 (105.0)	85 - 125	ECSD 55M	JBB 202411
75	100	NF250-CV 2P/3P 250A	MSO-N150 (140.0)	100-150	ECSD 75M	JBB 202411

Wiring Diagram :

Direct-On-Line starting method

380/220V.AC, 50Hz, 3-PHASE 4-WIRE



Application data :

The motor starters are suitable for

- hazardous areas of zone 1, 2 and zone 21, 22.
- single speed, non-reversing starting and stopping of AC squirrel cage induction motors.
- star-delta starting method.

Technical data :

Explosion Protection	: Ex d IIB T6
Conforming to	: Standards IEC 60079-0/1 or UL 60079-1
Marking for test	: Ex II2G
Degree of Protection	: IP66 acc. To IEC 60529
Ambient Temp. (Ta)	: -20 °C to+ 40 °C + 55 °C
Protection class for UL.	: Class I, Division 1or 2 Group. C,D Class II, Division 1 or 2 Groups. E,F,G Class III
Protection class for IEC	: Zone1, 21 and Zone 2, 22
Entries thread	: NPT or ISO thread
Rated voltage	: 380/220v. ±5% 50Hz.



Specification:

Body and cover	: Marine grade copper-free aluminum alloy with epoxy-polyester powder coated , RAL7032(GREY)
Sealing gasket	: Silicone - 40 °C to +175°C
Lid screws	: Stainless steel

Catalogue Numbers :

3Ph.Motor 380/220v.		Circuit Breaker	MC.Rating,AC3		Overload Relay Amp. Full Load Current Amp.	Cat., No.	Enclosure Only
KW.	HP.	Amp. Trip (AT.)	Main & Delta	Star			
3	4	NF32-SV 3P16A	S-T12	S-T12	2.8-4.4 (3.6)	ECSS 3M	JBB 16209
3.7	5	NF32-SV 3P 20A	S-T12	S-T12	4.-6 (5)	ECSS 3X7M	JBB 16209
4	5.1/2	NF32-SV 3P 20A	S-T12	S-T12	4.-6 (5)	ECSS 11M	JBB 16209
5.5	7.1/2	NF32-SV 3P 32A	S-T12	S-T12	5.2-8 (6.6)	ECSS 4M	JBB 16209
7.5	10	NF32-SV 3P 32A	S-T12	S-T12	7.-11 (9)	ECSS 5X5M	JBB 16209
11	15	NF63-CV 3P 50A	S-T21	S-T12	12-18 (15)	ECSS 7X5M	JBB 16209
15	20	NF63-CV 3P 63A	S-T21	S-T12	16-22 (19)	ECSS 15M	JBB 16209
18.5	25	NF125-CV 3P 80A	S-T35	S-T21	18-26 (22)	ECSS 30M	JBB 162910
22	30	NF125-CV3P 100A	S-T50	S-T21	24-34 (29)	ECSS 18X5M	JBB 20209
30	40	NF125-CV 3P 125A	S-T50	S-T21	30-40 (35)	ECSS 22M	JBB 20209
37	50	NF250-CV 3P 150A	S-T50	S-T35	34-50 (42)	ECSS 37M	JBB 162910
45	60	NF250-CV 3P 175A	S-T65	S-T35	43-65 (54)	ECSS 45M	JBB 203210
55	75	NF250-CV 3P 200A	S-T80	S-T50	43-65 (54)	ECSS 55M	JBB 203611
75	100	NF250-CV 3P 250A	S-T100	S-T50	65-100 (82)	ECSS 75M	JBB 203611
90	125	NF400-SW 3P 300A	S-T125	S-T65	85-125 (105)	ECSS 90M	Consult Factory
110	150	NF400-SW 3P 350A	S-T150	S-T65	100-150 (125)	ECSS 110M	Consult Factory

