

Model 6 Motor Control Centers

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Model 6 Unit



Model 6 Motor Control Center

Overview

Designed and manufactured to tackle the toughest power and process control challenges, the Model 6 Motor Control Center features industry-finest innovations that provide unmatched performance, high reliability, and low maintenance. The Model 6 Motor Control Center has integrated industry-leading components into the smallest and most flexible footprint possible to meet your power, control, and automation needs. The Model 6 provides superior performance, as well as long, reliable operation with enhanced safety features.



by Schneider Electric

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Model 6 Motor Control Center

Model 6 Structure Features

- Horizontal main bus uses captive splice bar assembly; allows splicing without removing units
- Horizontal bus is located at the top of the structure for easy installation, inspection and maintenance Available ampacity 600 A, 800 A, 1200 A, 2000 A and 2500 A
- Sliding non-conductive bus barrier
- 300 A and 600 A vertical bus
- Vertical bus openings built on 3-inch centers
- Optional automatic vertical bus shutters are available
- Mounting channel includes leveling notches for ease of alignment
- Full depth vertical wireway available, either 4-inch or 9-inch width
- Vertical ground bus is standard

Model 6 Unit Features

- Cast metal handle, color coded for clear indication of disconnect position (including “Tripped”)
- Twin-handle cam (“Butterfly”) mechanism standard on all plug-on units (except Compac™ 6)
- Rugged unit construction features solid rear, side and hinged bottom plates
- Forward tilted pull-apart control terminal blocks standard with NEMA Type B or C wiring
- Starter units available with Class 8536 Type S NEMA or D-Line IEC
- Available overload relays on starter include: melting alloy, bimetallic, Motor Logic®, Motor Logic Plus™, and Motor Logic Plus II
- Control station plate for pilot devices is mounted on front of unit (no cables across door hinge)
- Easily accessible control transformer
- Starter mounted on right-hand side of unit, adjacent to wireway, for ease of cable termination



Model 6

Available units include:

- Automation equipment
- Altivar® AC drives
- Altistart® soft starts
- TVSS units
- PowerLogic® circuit monitor and power meter
- Compac 6 starters and branch feeders
- Reduced voltage starters
- Distribution transformers and panelboards
- Empty mounting units
- Master terminal compartments
- Automatic transfer switches
- Full voltage non-reversing
- Full voltage reversing
- Circuit breaker branch feeders
- Fusible switch branch feeders
- Full voltage 2-speed
- Programmable logic controllers
- Incoming devices

Transparent Ready™

Motor Control Centers with PowerLogic® circuit monitors and Web-enabled Ethernet communication devices are a part of Schneider Electric’s Transparent Ready power equipment family.

When specified as Transparent Ready, the power equipment is provided with a factory configured “plug and play” communications system that gives authorized users access to equipment status and monitoring information using only a standard Web browser. Ask your nearest Schneider Electric sales office for details about Transparent Ready power distribution equipment.



Merchandised Units

Model 6 Industrial Package units (white) are available for ordering by catalog number. A listing of types available by quick shipment may be found on the following pages. This limited offering includes popular combinations of types and options. Catalog numbers consist of class number (8998), disconnect and device types, horsepower or ampacity ratings and options (for example, 8998SBA001XFTMA). See table below.

All units are UL Listed.

Combination Starters Catalog Numbering System

Units rated as follows:

- Model 6 Industrial Package, 480 V, 60 Hz, NEMA 12 enclosure
- Type 1B wiring, 100,000 AIR rating, 1 N.O./1 N.C. auxiliary interlock on each contactor

Table 17.1: Numbering System

First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth
8998	S	B	A	005	A	FT	MA
Class	Type	Disconnect	Device	Motor Hp	Pilot Device Function	Control Power	Overload Relay
8998	S- Standard Size H- High Density (Compac 6)▲	B- Circuit Breaker (PowerPac® MCP) F- Fusible (Class R except Compac 6 Class J)	A-FVNR C-FVR■	001=1 hp 002=2 hp 003=3 hp 005=5 hp 007=7.5 hp 010=10 hp 015=15 hp■ 025=25 hp■ 040=40 hp■ 050=50 hp■ 060=60 hp■ 075=75 hp■ 100=100 hp■	X=None A=Start-Stop PB, On/Off Lights◆ C=HOA Sel. Switch, On/Off Lights▲	FT- 480-120 V CPT★ FS- 120 V Fused Separate Ctl w/intlk	MA-Melting Alloy (Thermal Units not Included) SS-Motor Logic SSOL (Class 20 Base Unit)

- ▲ Not available with FVR
- Not available with Compac 6
- ◆ Includes forward, reverse and stop push-buttons; and forward and reverse pilot lights with FVR starters
- ★ Includes extra 50 VA CPT on Sz 1 FVNR (T1)

For more information, contact your nearest Schneider Electric sales office.

Complete Model 6 Motor Control Centers are available from the factory.

Combination Starters with Motor Circuit Protector Disconnects

Model 6 NEMA-rated FVNR combination starters use PowerPact® Motor Circuit Protectors.

Ratings: 480 V, NEMA 12, Type 1B-D wiring, 100,000 AIR. Units include 1 N.O./1 N.C. auxiliary contacts. Units with pilot devices use 22 mm type. Units without pilot devices include a station plate with knockouts for five 22 mm devices.

Thermal units are not included with melting alloy overloads.

Table 17.1: FVNR Combination Starters with Motor Circuit Protector Disconnects

Ratings			Control Transformer				Fused Separate Control							
			No Pilot Devices		Start-Stop PB, Red On/Green Off Lights		HOA Red On/Green Off Lights		No Pilot Devices		Start-Stop PB, Red On/Green Off Lights		HOA Red On/Green Off Lights	
NEMA Size	Max. Hp	Space (IN)	Catalog Number	\$ Price	Catalog Number	\$ Price	Catalog Number	\$ Price	Catalog Number	\$ Price	Catalog Number	\$ Price	Catalog Number	\$ Price
Full Voltage Non-Reversing (FVNR) Starters With Motor Circuit Protector Disconnect and Melting Alloy Overload Relay														
1	1 2 3 5 7.5 10	12	SBA001XFTMA SBA002XFTMA SBA003XFTMA SBA005XFTMA SBA007XFTMA SBA010XFTMA	2988.00	SBA001AFTMA SBA002AFTMA SBA003AFTMA SBA005AFTMA SBA007AFTMA SBA010AFTMA	3530.00	SBA001CFTMA SBA002CFTMA SBA003CFTMA SBA005CFTMA SBA007CFTMA SBA010CFTMA	3530.00	SBA001XFSSMA SBA002XFSSMA SBA003XFSSMA SBA005XFSSMA SBA007XFSSMA SBA010XFSSMA	2672.00	SBA001AFSSMA SBA002AFSSMA BA003AFSSMA SBA005AFSSMA SBA007AFSSMA SBA010AFSSMA	3214.00	SBA001CFSSMA SBA002CFSSMA SBA003CFSSMA SBA005CFSSMA SBA007CFSSMA SBA010CFSSMA	3214.00
2	15 25	12	SBA015XFTMA SBA025XFTMA	3322.00	SBA015AFTMA SBA025AFTMA	3864.00	SBA015CFTMA SBA025CFTMA	3864.00	SBA015XFSSMA SBA025XFSSMA	3006.00	SBA015AFSSMA SBA025AFSSMA	3548.00	SBA015CFSSMA SBA025CFSSMA	3548.00
3	40 50	18	SBA040XFTMA SBA050XFTMA	4798.00	SBA040AFTMA SBA050AFTMA	5340.00	SBA040CFTMA SBA050CFTMA	5340.00	SBA040XFSSMA SBA050XFSSMA	4362.00	SBA040AFSSMA SBA050AFSSMA	4904.00	SBA040CFSSMA SBA050CFSSMA	4904.00
4	60 75 100	21	SBA060XFTMA SBA075XFTMA SBA100XFTMA	6644.00	SBA060AFTMA SBA075AFTMA SBA100AFTMA	7186.00	SBA060CFTMA SBA075CFTMA SBA100CFTMA	7186.00	SBA060XFSSMA SBA075XFSSMA SBA100XFSSMA	6086.00	SBA060AFSSMA SBA075AFSSMA SBA100AFSSMA	6628.00	SBA060CFSSMA SBA075CFSSMA SBA100CFSSMA	6628.00
Full Voltage Non-Reversing (FVNR) Starters With Motor Circuit Protector Disconnect and Solid State Overload Relay (Motor Logic®)														
1	1 2 3 5 7.5 10	12	SBA001XFTSS SBA002XFTSS SBA003XFTSS SBA005XFTSS SBA007XFTSS SBA010XFTSS	3184.00	SBA001AFTSS SBA002AFTSS SBA003AFTSS SBA005AFTSS SBA007AFTSS SBA010AFTSS	3726.00	SBA001CFTSS SBA002CFTSS SBA003CFTSS SBA005CFTSS SBA007CFTSS SBA010CFTSS	3726.00	SBA001XFSSS SBA002XFSSS SBA003XFSSS SBA005XFSSS SBA007XFSSS SBA010XFSSS	2868.00	SBA001AFSSS SBA002AFSSS SBA003AFSSS SBA005AFSSS SBA007AFSSS SBA010AFSSS	3410.00	SBA001CFSSS SBA002CFSSS SBA003CFSSS SBA005CFSSS SBA007CFSSS SBA010CFSSS	3410.00
2	15 25	12	SBA015XFTSS SBA025XFTSS	3518.00	SBA015AFTSS SBA025AFTSS	4060.00	SBA015CFTSS SBA025CFTSS	4060.00	SBA015XFSSS SBA025XFSSS	3202.00	SBA015AFSSS SBA025AFSSS	3744.00	SBA015CFSSS SBA025CFSSS	3744.00
3	40 50	18	SBA040XFTSS SBA050XFTSS	5074.00	SBA040AFTSS SBA050AFTSS	5616.00	SBA040CFTSS SBA050CFTSS	5616.00	SBA040XFSSS SBA050XFSSS	4638.00	SBA040AFSSS SBA050AFSSS	5180.00	SBA040CFSSS SBA050CFSSS	5180.00
4	60 75 100	21	SBA060XFTSS SBA075XFTSS SBA100XFTSS	6920.00	SBA060AFTSS SBA075AFTSS SBA100AFTSS	7462.00	SBA060CFTSS SBA075CFTSS SBA100CFTSS	7462.00	SBA060XFSSS SBA075XFSSS SBA100XFSSS	6362.00	SBA060AFSSS SBA075AFSSS SBA100AFSSS	6904.00	SBA060CFSSS SBA075CFSSS SBA100CFSSS	6904.00

Table 17.2: FVR Combination Starters with Motor Circuit Protector Disconnects

Ratings			Control Transformer				Fused Separate Control					
			No Pilot Devices		Forward-Rev.-Stop PB, Forward/Reverse Lights		No Pilot Devices		Forward-Rev.-Stop PB, Forward/Reverse Lights			
NEMA Size	Max. Hp	Space (IN)	Catalog Number	\$ Price	Catalog Number	\$ Price	Catalog Number	\$ Price	Catalog Number	\$ Price	Catalog Number	\$ Price
Full Voltage Reversing (FVR) Starters With Motor Circuit Protector Disconnect and Melting Alloy Overload Relay												
1	1 2 3 5 7.5 10	18	SBC001XFTMA SBC002XFTMA SBC003XFTMA SBC005XFTMA SBC007XFTMA SBC010XFTMA	3884.00	SBC001AFTMA SBC002AFTMA SBC003AFTMA SBC005AFTMA SBC007AFTMA SBC010AFTMA	4494.00	SBC001XFSSMA SBC002XFSSMA SBC003XFSSMA SBC005XFSSMA SBC007XFSSMA SBC010XFSSMA	3568.00	SBC001AFSSMA SBC002AFSSMA SBC003AFSSMA SBC005AFSSMA SBC007AFSSMA SBC010AFSSMA	4178.00		
2	15 25	18	SBC015XFTMA SBC025XFTMA	4760.00	SBC015AFTMA SBC025AFTMA	5370.00	SBC015XFSSMA SBC025XFSSMA	4484.00	SBC015AFSSMA SBC025AFSSMA	5054.00		
3	40 50	27	SBC040XFTMA SBC050XFTMA	6246.00	SBC040AFTMA SBC050AFTMA	6856.00	SBC040XFSSMA SBC050XFSSMA	5810.00	SBC040AFSSMA SBC050AFSSMA	6420.00		
4	60 75 100	33	SBC060XFTMA SBC075XFTMA SBC100XFTMA	9826.00	SBC060AFTMA SBC075AFTMA SBC100AFTMA	10436.00	SBC060XFSSMA SBC075XFSSMA SBC100XFSSMA	9268.00	SBC060AFSSMA SBC075AFSSMA SBC100AFSSMA	9878.00		
Full Voltage Reversing (FVR) Starters With Motor Circuit Protector Disconnect and Solid State Overload Relay (Motor Logic®)												
1	1 2 3 5 7.5 10	18	SBC001XFTSS SBC002XFTSS SBC003XFTSS SBC005XFTSS SBC007XFTSS SBC010XFTSS	4160.00	SBC001AFTSS SBC002AFTSS SBC003AFTSS SBC005AFTSS SBC007AFTSS SBC010AFTSS	4690.00	SBC001XFSSS SBC002XFSSS SBC003XFSSS SBC005XFSSS SBC007XFSSS SBC010XFSSS	3764.00	SBC001AFSSS SBC002AFSSS SBC003AFSSS SBC005AFSSS SBC007AFSSS SBC010AFSSS	4374.00		
2	15 25	18	SBC015XFTSS SBC025XFTSS	5116.00	SBC015AFTSS SBC025AFTSS	5566.00	SBC015XFSSS SBC025XFSSS	4640.00	SBC015AFSSS SBC025AFSSS	5250.00		
3	40 50	27	SBC040XFTSS SBC050XFTSS	6682.00	SBC040AFTSS SBC050AFTSS	7132.00	SBC040XFSSS SBC050XFSSS	6086.00	SBC040AFSSS SBC050AFSSS	6696.00		
4	60 75 100	33	SBC060XFTSS SBC075XFTSS SBC100XFTSS	10102.00	SBC060AFTSS SBC075AFTSS SBC100AFTSS	10712.00	SBC060XFSSS SBC075XFSSS SBC100XFSSS	9544.00	SBC060AFSSS SBC075AFSSS SBC100AFSSS	10154.00		



Combination Starters with Fusible Switch Disconnects

Model 6 NEMA-rated FVNR combination starters listed below use fusible switches with Class R fuse clips (fuses not included).

Ratings: 480 V, NEMA 12, Type 1B-D wiring, 100,000 AIR. Units include 1 N.O./1 N.C. auxiliary contacts. Units with pilot devices use 22 mm type. Units without pilot devices include a station plate with knockouts for five 22 mm devices.

Thermal units are not included with melting alloy overloads.

Table 17.1: FVNR Combination Starters with Fusible Switch Disconnects

Ratings			Control Transformer						Fused Separate Control					
			No Pilot Devices		Start-Stop PB, Red On/Green Off Lights		HOA Red On/Green Off Lights		No Pilot Devices		Start-Stop PB, Red On/Green Off Lights		HOA Red On/Green Off Lights	
NEMA Size	Max. Hp	Space (IN)	Catalog No.	\$ Price	Catalog No.	\$ Price	Catalog No.	\$ Price	Catalog No.	\$ Price	Catalog No.	\$ Price	Catalog No.	\$ Price
Full Voltage Non-Reversing (FVNR) Starters With Fusible Switch Disconnect and Melting Alloy Overload Relay														
1	1	12	SFA001XFTMA	2330.00	SFA001AFTMA	2872.00	SFA001CFTMA	2872.00	SFA001XFMSA	2014.00	SFA001AFMSA	2556.00	SFA001CFMSA	2556.00
	2		SFA002XFTMA		SFA002AFTMA		SFA002CFTMA		SFA002XFMSA		SFA002AFMSA		SFA002CFMSA	
	3		SFA003XFTMA		SFA003AFTMA		SFA003CFTMA		SFA003XFMSA		SFA003AFMSA		SFA003CFMSA	
	5		SFA005XFTMA		SFA005AFTMA		SFA005CFTMA		SFA005XFMSA		SFA005AFMSA		SFA005CFMSA	
	7.5		SFA007XFTMA		SFA007AFTMA		SFA007CFTMA		SFA007XFMSA		SFA007AFMSA		SFA007CFMSA	
10	SFA010XFTMA	SFA010AFTMA	SFA010CFTMA	SFA010XFMSA	SFA010AFMSA	SFA010CFMSA								
2	15	12	SFA015XFTMA	2750.00	SFA015AFTMA	3292.00	SFA015CFTMA	3292.00	SFA015XFMSA	2434.00	SFA015AFMSA	2976.00	SFA015CFMSA	2976.00
	25		SFA025XFTMA		SFA025AFTMA		SFA025CFTMA		SFA025XFMSA		SFA025AFMSA		SFA025CFMSA	
3	40	18	SFA040XFTMA	3960.00	SFA040AFTMA	4502.00	SFA040CFTMA	4502.00	SFA040XFMSA	3524.00	SFA040AFMSA	4066.00	SFA040CFMSA	4066.00
	50		SFA050XFTMA		SFA050AFTMA		SFA050CFTMA		SFA050XFMSA		SFA050AFMSA		SFA050CFMSA	
4	60	21	SFA060XFTMA	6344.00	SFA060AFTMA	6886.00	SFA060CFTMA	6886.00	SFA060XFMSA	5786.00	SFA060AFMSA	6328.00	SFA060CFMSA	6328.00
	75		SFA075XFTMA		SFA075AFTMA		SFA075CFTMA		SFA075XFMSA		SFA075AFMSA		SFA075CFMSA	
	100		SFA100XFTMA		SFA100AFTMA		SFA100CFTMA		SFA100XFMSA		SFA100AFMSA		SFA100CFMSA	

Full Voltage Non-Reversing (FVNR) Starters With Fusible Switch Disconnect and Solid State Overload Relay (Motor Logic®)

1	1	12	SFA001XFTSS	2526.00	SFA001AFTSS	3068.00	SFA001CFTSS	3068.00	SFA001XFSSS	2210.00	SFA001AFSSS	2752.00	SFA001CFSSS	2752.00
	2		SFA002XFTSS		SFA002AFTSS		SFA002CFTSS		SFA002XFSSS		SFA002AFSSS		SFA002CFSSS	
	3		SFA003XFTSS		SFA003AFTSS		SFA003CFTSS		SFA003XFSSS		SFA003AFSSS		SFA003CFSSS	
	5		SFA005XFTSS		SFA005AFTSS		SFA005CFTSS		SFA005XFSSS		SFA005AFSSS		SFA005CFSSS	
	7.5		SFA007XFTSS		SFA007AFTSS		SFA007CFTSS		SFA007XFSSS		SFA007AFSSS		SFA007CFSSS	
10	SFA010XFTSS	SFA010AFTSS	SFA010CFTSS	SFA010XFSSS	SFA010AFSSS	SFA010CFSSS								
2	15	12	SFA015XFTSS	2946.00	SFA015AFTSS	3488.00	SFA015CFTSS	3488.00	SFA015XFSSS	2630.00	SFA015AFSSS	3172.00	SFA015CFSSS	3172.00
	25		SFA025XFTSS		SFA025AFTSS		SFA025CFTSS		SFA025XFSSS		SFA025AFSSS		SFA025CFSSS	
3	40	18	SFA040XFTSS	4236.00	SFA040AFTSS	4778.00	SFA040CFTSS	4778.00	SFA040XFSSS	3800.00	SFA040AFSSS	4342.00	SFA040CFSSS	4342.00
	50		SFA050XFTSS		SFA050AFTSS		SFA050CFTSS		SFA050XFSSS		SFA050AFSSS		SFA050CFSSS	
4	60	21	SFA060XFTSS	6620.00	SFA060AFTSS	7162.00	SFA060CFTSS	7162.00	SFA060XFSSS	6062.00	SFA060AFSSS	6604.00	SFA060CFSSS	6604.00
	75		SFA075XFTSS		SFA075AFTSS		SFA075CFTSS		SFA075XFSSS		SFA075AFSSS		SFA075CFSSS	
	100		SFA100XFTSS		SFA100AFTSS		SFA100CFTSS		SFA100XFSSS		SFA100AFSSS		SFA100CFSSS	

Table 17.2: FVR Combination Starters with Fusible Switch Disconnects

Ratings			Control Transformer				Fused Separate Control			
			No Pilot Devices		Forward-Rev.-Stop PB, Forward/Reverse Lights		No Pilot Devices		Forward-Rev.-Stop PB, Forward/Reverse Lights	
NEMA Size	Max. Hp	Space (IN)	Catalog No.	\$ Price	Catalog No.	\$ Price	Catalog No.	\$ Price	Catalog No.	\$ Price
Full Voltage Reversing (FVR) Starters With Fusible Switch Disconnect and Melting Alloy Overload Relay										
1	1	18	SFC001XFTMA	3322.00	SFC001AFTMA	3932.00	SFC001XFMSA	3006.00	SFC001AFMSA	3616.00
	2		SFC002XFTMA		SFC002AFTMA		SFC002XFMSA		SFC002AFMSA	
	3		SFC003XFTMA		SFC003AFTMA		SFC003XFMSA		SFC003AFMSA	
	5		SFC005XFTMA		SFC005AFTMA		SFC005XFMSA		SFC005AFMSA	
	7.5		SFC007XFTMA		SFC007AFTMA		SFC007XFMSA		SFC007AFMSA	
10	SFC010XFTMA	SFC010AFTMA	SFC010XFMSA	SFC010AFMSA						
2	15	18	SFC015XFTMA	4460.00	SFC015AFTMA	5070.00	SFC015XFMSA	4144.00	SFC015AFMSA	4754.00
	25		SFC025XFTMA		SFC025AFTMA		SFC025XFMSA		SFC025AFMSA	
3	40	27	SFC040XFTMA	6328.00	SFC040AFTMA	6938.00	SFC040XFMSA	5892.00	SFC040AFMSA	6502.00
	50		SFC050XFTMA		SFC050AFTMA		SFC050XFMSA		SFC050AFMSA	
4	60	33	SFC060XFTMA	10358.00	SFC060AFTMA	10968.00	SFC060XFMSA	9800.00	SFC060AFMSA	10410.00
	75		SFC075XFTMA		SFC075AFTMA		SFC075XFMSA		SFC075AFMSA	
	100		SFC100XFTMA		SFC100AFTMA		SFC100XFMSA		SFC100AFMSA	

Full Voltage Reversing (FVR) Starters with Fusible Switch Disconnect and Solid State Overload Relay (Motor Logic)

1	1	18	SFC001XFTSS	3518.00	SFC001AFTSS	4128.00	SFC001XFSSS	3202.00	SFC001AFSSS	3812.00
	2		SFC002XFTSS		SFC002AFTSS		SFC002XFSSS		SFC002AFSSS	
	3		SFC003XFTSS		SFC003AFTSS		SFC003XFSSS		SFC003AFSSS	
	5		SFC005XFTSS		SFC005AFTSS		SFC005XFSSS		SFC005AFSSS	
	7.5		SFC007XFTSS		SFC007AFTSS		SFC007XFSSS		SFC007AFSSS	
10	SFC010XFTSS	SFC010AFTSS	SFC010XFSSS	SFC010AFSSS						
2	15	18	SFC015XFTSS	4656.00	SFC015AFTSS	5266.00	SFC015XFSSS	4340.00	SFC015AFSSS	4950.00
	25		SFC025XFTSS		SFC025AFTSS		SFC025XFSSS		SFC025AFSSS	
3	40	27	SFC040XFTSS	6604.00	SFC040AFTSS	7214.00	SFC040XFSSS	6168.00	SFC040AFSSS	6778.00
	50		SFC050XFTSS		SFC050AFTSS		SFC050XFSSS		SFC050AFSSS	
4	60	33	SFC060XFTSS	10634.00	SFC060AFTSS	11244.00	SFC060XFSSS	10076.00	SFC060AFSSS	10686.00
	75		SFC075XFTSS		SFC075AFTSS		SFC075XFSSS		SFC075AFSSS	
	100		SFC100XFTSS		SFC100AFTSS		SFC100XFSSS		SFC100AFSSS	

Compac™ 6 Combination Starters with Motor Circuit Protector Disconnects

NEMA-rated Compac 6, half-height FVNR combination starters use GJ frame Mag-Gard® Motor Circuit Protectors. Ratings: 480 V, NEMA 12, Type 1B-D wiring, 100,000 AIR. Units include 1 N.O./1 N.C. auxiliary contacts. Units with pilot devices use 22 mm type. Units without pilot devices include a station plate with knockouts for four 22 mm devices. Thermal units are not included with melting alloy overloads.

Table 17.1: Compac 6 Combination Starters with Motor Circuit Protector Disconnects

Ratings			Control Transformer						Fused Separate Control					
			No Pilot Devices		Start-Stop PB, Red On/Green Off Lights		HOA, Red On/Green Off Lights		No Pilot Devices		Start-Stop PB, Red On/Green Off Lights		HOA, Red On/Green Off Lights	
NEMA Size	Max. Hp	Space (IN)	Catalog No.	\$ Price	Catalog No.	\$ Price	Catalog No.	\$ Price	Catalog No.	\$ Price	Catalog No.	\$ Price	Catalog No.	\$ Price
Full Voltage Non-Reversing (FVNR) Starters With Motor Circuit Protector Disconnect and Melting Alloy Overload Relay														
1	1	6	HBA001XFTMA	2860.00	HBA001AFTMA	3402.00	HBA001CFTMA	3402.00	HBA001XFSTMA	2544.00	HBA001AFSTMA	3086.00	HBA001CFSTMA	3086.00
	2		HBA002XFTMA		HBA002AFTMA		HBA002CFTMA		HBA002XFSTMA		HBA002AFSTMA		HBA002CFSTMA	
	3		HBA003XFTMA		HBA003AFTMA		HBA003CFTMA		HBA003XFSTMA		HBA003AFSTMA		HBA003CFSTMA	
	5		HBA005XFTMA		HBA005AFTMA		HBA005CFTMA		HBA005XFSTMA		HBA005AFSTMA		HBA005CFSTMA	
	7.5		HBA007XFTMA		HBA007AFTMA		HBA007CFTMA		HBA007XFSTMA		HBA007AFSTMA		HBA007CFSTMA	
	10		HBA010XFTMA		HBA010AFTMA		HBA010CFTMA		HBA010XFSTMA		HBA010AFSTMA		HBA010CFSTMA	
Full Voltage Non-Reversing (FVNR) Starters With Motor Circuit Protector Disconnect and Solid State Overload Relay (Motor Logic®)														
1	1	6	HBA001XFTSS	3056.00	HBA001AFTSS	3598.00	HBA001CFTSS	3598.00	HBA001XFSTSS	2740.00	HBA001AFSTSS	3282.00	HBA001CFSTSS	3282.00
	2		HBA002XFTSS		HBA002AFTSS		HBA002CFTSS		HBA002XFSTSS		HBA002AFSTSS		HBA002CFSTSS	
	3		HBA003XFTSS		HBA003AFTSS		HBA003CFTSS		HBA003XFSTSS		HBA003AFSTSS		HBA003CFSTSS	
	5		HBA005XFTSS		HBA005AFTSS		HBA005CFTSS		HBA005XFSTSS		HBA005AFSTSS		HBA005CFSTSS	
	7.5		HBA007XFTSS		HBA007AFTSS		HBA007CFTSS		HBA007XFSTSS		HBA007AFSTSS		HBA007CFSTSS	
	10		HBA010XFTSS		HBA010AFTSS		HBA010CFTSS		HBA010XFSTSS		HBA010AFSTSS		HBA010CFSTSS	

Compac 6 Combination Starters with Fusible Switch Disconnects

NEMA-rated Compac 6, half-height FVNR combination starters listed below use fusible switches with Class J fuse clips (fuses not included). Ratings: 480 V, NEMA 12, Type 1B-D wiring, 100,000 AIR. Units include 1 N.O./1 N.C. auxiliary contacts. Units with pilot devices use 22 mm type. Units without pilot devices include a station plate with knockouts for four 22 mm devices. Thermal units are not included with melting alloy overloads.

Table 17.2: Compac 6 Combination Starters with Fusible Switch Disconnects

Ratings			Control Transformer						Fused Separate Control					
			No Pilot Devices		Start-Stop PB, Red On/Green Off Lights		HOA, Red On/Green Off Lights		No Pilot Devices		Start-Stop PB, Red On/Green Off Lights		HOA, Red On/Green Off Lights	
NEMA Size	Max. Hp	Space (IN)	Catalog No.	\$ Price	Catalog No.	\$ Price	Catalog No.	\$ Price	Catalog No.	\$ Price	Catalog No.	\$ Price	Catalog No.	\$ Price
Full Voltage Non-Reversing (FVNR) Starters with Fusible Switch Disconnect and Melting Alloy Overload Relay														
1	1	6	HFA001XFTMA	2492.00	HFA001AFTMA	3034.00	HFA001CFTMA	3034.00	HFA001XFSTMA	2176.00	HFA001AFSTMA	2718.00	HFA001CFSTMA	2718.00
	2		HFA002XFTMA		HFA002AFTMA		HFA002CFTMA		HFA002XFSTMA		HFA002AFSTMA		HFA002CFSTMA	
	3		HFA003XFTMA		HFA003AFTMA		HFA003CFTMA		HFA003XFSTMA		HFA003AFSTMA		HFA003CFSTMA	
	5		HFA005XFTMA		HFA005AFTMA		HFA005CFTMA		HFA005XFSTMA		HFA005AFSTMA		HFA005CFSTMA	
	7.5		HFA007XFTMA		HFA007AFTMA		HFA007CFTMA		HFA007XFSTMA		HFA007AFSTMA		HFA007CFSTMA	
	10		HFA010XFTMA		HFA010AFTMA		HFA010CFTMA		HFA010XFSTMA		HFA010AFSTMA		HFA010CFSTMA	
Full Voltage Non-Reversing (FVNR) Starters With Fusible Switch Disconnect and Solid State Overload Relay (Motor Logic®)														
1	1	6	HFA001XFTSS	2688.00	HFA001AFTSS	3230.00	HFA001CFTSS	3230.00	HFA001XFSTSS	2372.00	HFA001AFSTSS	2914.00	HFA001CFSTSS	2914.00
	2		HFA002XFTSS		HFA002AFTSS		HFA002CFTSS		HFA002XFSTSS		HFA002AFSTSS		HFA002CFSTSS	
	3		HFA003XFTSS		HFA003AFTSS		HFA003CFTSS		HFA003XFSTSS		HFA003AFSTSS		HFA003CFSTSS	
	5		HFA005XFTSS		HFA005AFTSS		HFA005CFTSS		HFA005XFSTSS		HFA005AFSTSS		HFA005CFSTSS	
	7.5		HFA007XFTSS		HFA007AFTSS		HFA007CFTSS		HFA007XFSTSS		HFA007AFSTSS		HFA007CFSTSS	
	10		HFA010XFTSS		HFA010AFTSS		HFA010CFTSS		HFA010XFSTSS		HFA010AFSTSS		HFA010CFSTSS	

Branch Feeder Units Catalog Numbering System

Units rated as follows:

- 480 V, 60 Hz, NEMA Type 12 Enclosure, Industrial Package
- Short Circuit rating: 100,000 AIR

Table 17.1: Circuit Breaker Branch Feeder Units

First Position	Second Position	Third Position	Fourth Position	Fifth Position
8998	S	B	F	015
Class	Type	Disconnect	Device	Feeder Amps
8998	S- Standard Size H- Compac™ 6	B- Breaker (Thermal-Mag)	F- Feeder	015 080 020 100 030 125 040 150 050 200 060 250 070
Amps	Breaker Frame	Space (IN)	Catalog No.	\$ Price
15	HL	6	HBFO15	2300.00
20			HBFO20	
30			HBFO30	
40			HBFO40	
50			HBFO50	
60			HBFO60	
70	JL	6	HBFO70	2650.00
80			HBFO80	
100			HBFO100	
125			HBFO125	4850.00
150			HBFO150	
200	JL	6	HBFO200	4950.00
250			HBFO250	6400.00
15	HL	12	SBFO15	2200.00
20			SBFO20	
30			SBFO30	
40			SBFO40	
50			SBFO50	
60			SBFO60	
70			SBFO70	2550.00
80			SBFO80	
100			SBFO100	
125			SBFO125	4370.00
150	SBFO150			
200	JL	12	SBFO200	4800.00
250			SBFO250	5510.00

Table 17.2: Fusible Branch Feeder Units

First Position	Second Position	Third Position	Fourth Position	Fifth Position
8998	S	F	F	015
Class	Type	Disconnect	Device	Feeder Amps
8998	S- Standard Size H- Compac 6	F- Fusible ▲	F- Feeder	030 060 100 200 ■
Amps	Fuse Clips	Space (IN)	Catalog No.	\$ Price
30	Class J	6 (Compac 6)	HFF030	1272.00
60			HFF060	
100			HFF100	
30	Class R	12	SFF030	1160.00
60			SFF060	
100		SFF100	1592.00	
200		SFF200	1960.00	

- ▲ Class R except Compac 6, fuses not included.
- Not available with Compac 6.

Model 6 Blank Doors

These doors may be used to cover an unused space in the MCC. A blank door will be required when placing a new unit in an existing space that is larger than the new unit.

Table 17.3: Model 6 Blank Doors

Catalog Number	Description	\$ Price
8998CP03	3 Inch High Blank Cover Plate	58.00
8998CP06	6 Inch High Blank Door	58.00
8998CP09	9 Inch High Blank Door	70.00
8998CP12	12 Inch High Blank Door	82.00
8998CP15	15 Inch High Blank Door	96.00
8998CP18	18 Inch High Blank Door	112.00
8998CP24	24 Inch High Blank Door	140.00