MITSUBISHI ELECTRIC
Changes for the Better

AUTOMAÇÃO INDUSTRIAL

INVERSOR FR-E800

Guia rápido de consulta

- Inversor de alto desempenho
- Comunicação em Rede Ethernet (CC Link IE TSN e Basic, Ethernet IP, Profinet, Modbus TCP, EtherCAT)
- Segurança
- Inteligência Artificial
- Indústria 4.0

Tabelas de Conversão Direta da Linha FR-E700 para FR-E800

220V TRIFÁSICO	
FR-E720	**FR-E820**
FR-E720-008-NA / FR-E720-0.1K	FR-E820-0008-5-60 / FR-E820-0008-4-60
FR-E720-015-NA / FR-E720-0.2K	FR-E820-0015-5-60 / FR-E820-0015-4-60
FR-E720-030-NA / FR-E720-0.4K	FR-E820-0030-5-60 / FR-E820-0030-4-60
FR-E720-050-NA / FR-E720-0.75K	FR-E820-0050-5-60 / FR-E820-0050-4-60
FR-E720-080-NA / FR-E720-1.5K	FR-E820-0080-5-60 / FR-E820-0080-4-60
FR-E720-110-NA / FR-E720-2.2K	FR-E820-0110-5-60 / FR-E820-0110-4-60
FR-E720-175-NA / FR-E720-3.7K	FR-E820-0175-5-60 / FR-E820-0175-4-60
FR-E720-240-NA / FR-E720-5.5K	FR-E820-0240-5-60 / FR-E820-0240-4-60
FR-E720-330-NA / FR-E720-7.5K	FR-E820-0330-5-60 / FR-E820-0330-4-60
FR-E720-470-NA / FR-E720-11K	FR-E820-0470-5-60 / FR-E820-0470-4-60
FR-E720-600-NA / FR-E720-15K	FR-E820-0600-5-60 / FR-E820-0600-4-60

220V MONOFÁSICO	
FR-E720S	**FR-E820S**
FR-E720S-008-NA	FR-E820S-0008-5-60 / FR-E820S-0008-4-60
FR-E720S-015-NA	FR-E820S-0015-5-60 / FR-E820S-0015-4-60
FR-E720S-030-NA	FR-E820S-0030-5-60 / FR-E820S-0030-4-60
FR-E720S-050-NA	FR-E820S-0050-5-60 / FR-E820S-0050-4-60
FR-E720S-080-NA	FR-E820S-0080-5-60 / FR-E820S-0080-4-60
FR-E720S-110-NA	FR-E820S-0110-5-60 / FR-E820S-0110-4-60

FR-E700
FR-E7[][]-[][][]KNC (Porta CC Link)
FR-E7[][]-[][][]KSC (Função de Segurança)
FR-E7[][]-[][][]K-NE (Porta Ethernet)
FR-E7[][]-[][][]KNF (Porta FL NET)
FR-E7[][]-[][][]SC-ENE (Porta CC Link IE Field Basic)

	380V ~ 480V TRIFÁSICO	
	FR-E740	FR-E840
	FR-E740-016-NA / FR-740-0.4K	FR-E840-0016-5-60 / FR-E840-0016-4-60
	FR-E740-026-NA / FR-740-0.75K	FR-E840-0026-5-60 / FR-E840-0026-4-60
	FR-E740-040-NA / FR-740-1.5K	FR-E840-0040-5-60 / FR-E840-0040-4-60
	FR-E740-060-NA / FR-740-2.2K	FR-E840-0060-5-60 / FR-E840-0060-4-60
	FR-E740-095-NA / FR-740-3.7K	FR-E840-0095-5-60 / FR-E840-0095-4-60
	FR-E740-120-NA / FR-740-5.5K	FR-E840-0120-5-60 / FR-E840-0120-4-60
	FR-E740-170-NA / FR-740-7.5K	FR-E840-0170-5-60 / FR-E840-0170-4-60
	FR-E740-230-NA / FR-740-11K	FR-E840-0230-5-60 / FR-E840-0230-4-60
	FR-E740-300-NA / FR-740-15K	FR-E840-0300-5-60 / FR-E840-0300-4-60

FR-E800
FR-E8[][]-[][][][]-5-60 + FR-A8NC-60 E-KIT
FR-E8[][]-[][][][]-5-60
FR-E8[][]-[][][][]EPA-60 ou FR-E8[][]-[][][][]EPB-60
FR-E8[][][][]-5-60 + FR-A8NF-60 E-KIT (disponível em 01/2022)
FR-E8[][]-[][][][]EPA-60 ou FR-E8[][]-[][][][]EPB-60

Modelos com Alimentação 220V Trifásico

Modelo	Corrente de Saída ND (A)	Motor (CV/kW)	Corrente de Saída LD (A)	Motor (CV/kW)	Dimensão: Larg. X Altura X Prof. (mm)
FR-E820-0008-5-60 FR-E820-0008-4-60 FR-E820-0008EPA-60 FR-E820-0008EPB-60	0,8	0,16 / 0,12	1,3	0,33 /0,25	68 X 128 X 80,5
FR-E820-0015-5-60 FR-E820-0015-4-60 FR-E820-0015EPA-60 FR-E820-0015EPB-60	1,5	0,33 /0,25	2	0,5 / 0,37	68 X 128 X 80,5
FR-E820-0030-5-60 FR-E820-0030-4-60 FR-E820-0030EPA-60 FR-E820-0030EPB-60	3	0,5 / 0,37	3,5	1 / 0,75	68 X 128 112,5
FR-E820-0050-5-60 FR-E820-0050-4-60 FR-E820-0050EPA-60 FR-E820-0050EPB-60	5	1 / 0,75	6	1,5 / 1,1	68 X 128 X 132,5
FR-E820-0080-5-60 FR-E820-0080-4-60 FR-E820-0080EPA-60 FR-E820-0080EPB-60	8	2 / 1,5	9,6	3 / 2,2	108 X 128 X 135,5
FR-E820-0110-5-60 FR-E820-0110-4-60 FR-E820-0110EPA-60 FR-E820-0110EPB-60	11	3 / 2,2	12	4 / 3,0	108 X 128 X 135,5
FR-E820-0175-5-60 FR-E820-0175-4-60 FR-E820-0175EPA-60 FR-E820-0175EPB-60	17,5	5 / 3,7	19,6	7,5 / 5,5	140 X 128 X 142,5
FR-E820-0240-5-60 FR-E820-0240-4-60 FR-E820-0240EPA-60 FR-E820-0240EPB-60	24	7,5 / 5,5	30	10 / 7,5	180 X 260 X 165
FR-E820-0330-5-60 FR-E820-0330-4-60 FR-E820-0330EPA-60 FR-E820-0330EPB-60	33	10 / 7,5	40	15 / 11	180 X 260 X 165
FR-E820-0470-5-60 FR-E820-0470-4-60 FR-E820-0470EPA-60 FR-E820-0470EPB-60	47	15 / 11	56	20 / 15	220 X 260 X 190
FR-E820-0600-5-60 FR-E820-0600-4-60 FR-E820-0600EPA-60 FR-E820-0600EPB-60	60	20 / 15	69	25 / 18,5	220 X 260 X 190
FR-E820-0760-5-60 FR-E820-0760-4-60 FR-E820-0760EPA-60 FR-E820-0760EPB-60	76	25 / 18,5	88	30 / 22	220 X 350 X 190
FR-E820-0900-5-60 FR-E820-0900-4-60 FR-E820-0900EPA-60 FR-E820-0900EPB-60	90	30 / 22	115	40 / 30	220 X 350 X 190

- O modo de operação ND permite sobrecarga de 150% por 60s ou 200% por 3s com temperatura ambiente de 50°C.
- O modo de operação LD permite sobrecarga de 120% por 60s ou 150% por 3s com temperatura ambiente de 50°C.
- Considerado motor de indução com tensão nominal de 220V/4 pólos.

Modelos com Alimentação 220V Monofásico

Modelo	Corrente de Saída ND (A)	Motor (CV/kW)	Dimensão: Larg. X Altura X Prof. (mm)
FR-E820S-0008-5-60 FR-E820S-0008-4-60 FR-E820S-0008EPA-60 FR-E820S-0008EPB-60	0,8	0,16 / 0,12	68 X 128 X 80,5
FR-E820S-0015-5-60 FR-E820S-0015-4-60 FR-E820S-0015EPA-60 FR-E820S-0015EPB-60	1,5	0,33 /0,25	68 X 128 X 80,5
FR-E820S-0030-5-60 FR-E820S-0030-4-60 FR-E820S-0030EPA-60 FR-E820S-0030EPB-60	3	0,5 / 0,37	68 X 128 142,5
FR-E820S-0050-5-60 FR-E820S-0050-4-60 FR-E820S-0050EPA-60 FR-E820S-0050EPB-60	5	1 / 0,75	108 X 128 X 135
FR-E820S-0080-5-60 FR-E820S-0080-4-60 FR-E820S-0080EPA-60 FR-E820S-0080EPB-60	8	2 / 1,5	108 X 128 X 161
FR-E820S-0110-5-60 FR-E820S-0110-4-60 FR-E820S-0110EPA-60 FR-E820S-0110EPB-60	11	3 / 2,2	140 X 128 X 142,5

- Potência Nominal dos motores considerando tensão de 220V.
- As versões FR-E800SCEPA, FR-E800SCEPB e FR-E800EPC seguem a mesma potência / corrente que as versões FR-E800EPA/EPB.
- O modo de operação ND permite sobrecarga de 150% por 60s ou 200% por 3s com temperatura ambiente de 50°C.

Modelos com Alimentação 380V~480V Trifásico

Modelo	Corrente de Saída ND (A)	Motor (CV/kW)	Corrente de Saída LD (A)	Motor (CV/kW)	Dimensão: Larg. X Altura X Prof. (mm)
FR-E840-0016-5-60 FR-E840-0016-4-60 FR-E840-0016EPA-60 FR-E840-0016EPB-60	1,6	0,5 / 0,37	2,1	1 / 0,75	108 X 128 X 129,5
FR-E840-0026-5-60 FR-E840-0026-4-60 FR-E840-0026EPA-60 FR-E840-0026EPB-60	2,6	1 / 0,75	3,5	2 / 1,5	108 X 128 X 129,5
FR-E840-0040-5-60 FR-E840-0040-4-60 FR-E840-0040EPA-60 FR-E840-0040EPB-60	4	2 / 1,5	5,5	3 / 2,2	108 X 128 X 135
FR-E840-0060-5-60 FR-E840-0060-4-60 FR-E840-0060EPA-60 FR-E840-0060EPB-60	6	3 / 2,2	6,9	4 / 3,0	140 X 150 X 135
FR-E840-0095-5-60 FR-E840-0095-4-60 FR-E840-0095EPA-60 FR-E840-0095EPB-60	9,5	5 / 3,7	11,1	7,5 / 5,5	140 X 150 X 135
FR-E840-0120-5-60 FR-E840-0120-4-60 FR-E840-0120EPA-60 FR-E840-0120EPB-60	12	7,5 / 5,5	17,5	10 / 7,5	220 X 150 X 147
FR-E840-0170-5-60 FR-E840-0170-4-60 FR-E840-0170EPA-60 FR-E840-0170EPB-60	17	10 / 7,5	23	15 / 11	220 X 150 X 147
FR-E840-0230-5-60 FR-E840-0230-4-60 FR-E840-0230EPA-60 FR-E840-0230EPB-60	23	15 / 11	35	20 / 15	220 X 260 X 190
FR-E840-0300-5-60 FR-E840-0300-4-60 FR-E840-0300EPA-60 FR-E840-0300EPB-6	30	20 / 15	41	25 / 18,5	220 X 260 X 190
FR-E840-0380-5-60 FR-E840-0380-4-60 FR-E840-0380EPA-60 FR-E840-0380EPB-60	38	25 / 18,5	45	30 / 22	220 X 350 X 190
FR-E840-0440-5-60 FR-E840-0440-4-60 FR-E840-0440EPA-60 FR-E840-0440EPB-60	44	30 / 22	60	40 / 30	220 X 350 X 190

- O modo de operação ND permite sobrecarga de 150% por 60s ou 200% por 3s com temperatura ambiente de 50°C.
- O modo de operação LD permite sobrecarga de 120% por 60s ou 150% por 3s com temperatura ambiente de 50°C.
- Potência Nominal dos motores considerando tensão de 380V.
- As versões FR-E800SCEPA, FR-E800SCEPB e FR-E800EPC seguem a mesma potência / corrente que as versões FR-E800EPA/EPB.

Interfaces disponíveis nos Inversores FR-E800

Interfaces/Protocolos	FR-E800-5-60	FR-E800EPA-60	FR-E800EPB-60	FR-E800SCEPA-60	FR-E800SCEPB-60
Ethernet CC-Link IE TSN	----	•	•	•	•
Ethernet CC-Link IE Field Basic	----	•	•	•	•
Modbus / TCP	----	•	•	•	•
Ethernet / IP	----	•	----	•	----
Profinet	----	----	•	----	•
BACnet / IP	----	•	----	•	----
Porta RS-485 / Modbus RTU	•	----	----	----	----
Entradas Digitais NPN/PNP	7	2	2	2 (SBC)	2 (SBC)
Saídas Digitais NPN/PNP	3	1 (STO)	1 (STO)	2 (SBC)	2 (SBC)
Saídas a Relé (Cont. NA/NF)	1	1	1	1	1
Entradas Analógicas (0 a +10Vcc/0 a 20mA)	2	2	2	2	2
Saídas Analógicas (0 a ±10Vcc)	1	----	----	----	----
Entradas de Segurança (STO)	2	2	2	Via rede TSN	Via rede TSN
Funções Adicionais de Segurança (SS1, SLS, SBC, SSM)	----	----	----	Via rede TSN	Via rede TSN
Módulo de Frenagem	•	•	•	•	•

- A versão FR-E800EPC-60 tem somente o protocolo EtherCAT incorporado e mesmas Entradas/Saídas que as versões FR-E800EPA/EPB.

Disjuntores e Contatores para Inversores FR-E800 com Alimentação 220V Trifásico

	Sobrecarga ND (150%/60s)		Sobrecarga LD (120%/60s)	
Modelo	**Disjuntor**	**Contator AC-1**	**Disjuntor**	**Contator AC-1**
FR-E820-0008-5-60 FR-E820-0008-4-60 FR-E820-0008EPA-60 FR-E820-0008EPB-60	NF63-CV 3P 3A	S-T10BC	NF63-CV 3P 3A	S-T10BC
FR-E820-0015-5-60 FR-E820-0015-4-60 FR-E820-0015EPA-60 FR-E820-0015EPB-60	NF63-CV 3P 4A	S-T10BC	NF63-CV 3P 4A	S-T10BC
FR-E820-0030-5-60 FR-E820-0030-4-60 FR-E820-0030EPA-60 FR-E820-0030EPB-60	NF63-CV 3P 10A	S-T10BC	NF63-CV 3P 10A	S-T10BC
FR-E820-0050-5-60 FR-E820-0050-4-60 FR-E820-0050EPA-60 FR-E820-0050EPB-60	NF63-CV 3P 16A	S-T10BC	NF63-CV 3P 10A	S-T12BC
FR-E820-0080-5-60 FR-E820-0080-4-60 FR-E820-0080EPA-60 FR-E820-0080EPB-60	NF63-CV 3P 20A	S-T21BC	NF63-CV 3P 16A	S-T21BC
FR-E820-0110-5-60 FR-E820-0110-4-60 FR-E820-0110EPA-60 FR-E820-0110EPB-60	NF63-CV 3P 25A	S-T21BC	NF63-CV 3P 20A	S-T21BC
FR-E820-0175-5-60 FR-E820-0175-4-60 FR-E820-0175EPA-60 FR-E820-0175EPB-60	NF63-CV 3P 40A	S-T21BC	NF63-CV 3P 32A	S-T35BC
FR-E820-0240-5-60 FR-E820-0240-4-60 FR-E820-0240EPA-60 FR-E820-0240EPB-60	NF63-CV 3P 50A	S-T35BC	NF63-CV 3P 50A	S-T35BC
FR-E820-0330-5-60 FR-E820-0330-4-60 FR-E820-0330EPA-60 FR-E820-0330EPB-60	NF63-CV 3P 63A	S-T35BC	NF63-CV 3P 63A	S-T50BC
FR-E820-0470-5-60 FR-E820-0470-4-60 FR-E820-0470EPA-60 FR-E820-0470EPB-60	NF125-CV 3P 100A	S-T65CW	NF125-CV 3P 100A	S-T65CW
FR-E820-0600-5-60 FR-E820-0600-4-60 FR-E820-0600EPA-60 FR-E820-0600EPB-60	NF125-CV 3P 125A	S-T80CW	NF125-CV 3P 125A	S-T80CW
FR-E820-0760-5-60 FR-E820-0760-4-60 FR-E820-0760EPA-60 FR-E820-0760EPB-60	NF250-CV 3P 150A	S-T100	NF250-CV 3P 150A	S-T100
FR-E820-0900-5-60 FR-E820-0900-4-60 FR-E820-0900EPA-60 FR-E820-0900EPB-60	NF250-CV 3P 175A	S-N150	NF250-CV 3P 175A	S-N150

- Para o código completo dos contatores, utilizar: S-T10BC AC200V 1A, S-T12BC AC200V 1A1B, e para tamanhos acima dos modelos citados anteriormente, completar o final do código com "AC200V 2A2B". Para mais informações e demais modelos de contatores, consulte nosso guia rápido de contatores.
- Dimensionamento de Disjuntor e Contator considerando conexão SEM reator CC.
- Contator dimensionado para operação comum. Para aplicação de segurança, o contator a ser utilizado deve ser um frame acima em relação ao modelo indicado.

Disjuntores e Contatores para Inversores FR-E800 com Alimentação 220V Monofásico

	Sobrecarga ND (150%/60s)	
Modelo	**Disjuntor**	**Contator AC1**
FR-E820S-0008-5-60 / FR-E820S-0008-4-60 / FR-E820S-0008EPA-60 / FR-E820S-0008EPB-60	NF63-CV 2P 4A	S-T10BC AC200V 1A
FR-E820S-0015-5-60 / FR-E820S-0015-4-60 / FR-E820S-0015EPA-60 / FR-E820S-0015EPB-60	NF63-CV 2P 10A	S-T10BC AC200V 1A
FR-E820S-0030-5-60 / FR-E820S-0030-4-60 / FR-E820S-0030EPA-60 / FR-E820S-0030EPB-60	NF63-CV 2P 16A	S-T12BC AC200V 1A1B
FR-E820S-0050-5-60 / FR-E820S-0050-4-60 / FR-E820S-0050EPA-60 / FR-E820S-0050EPB-60	NF63-CV 2P 20A	S-T21BC AC200V 2A2B
FR-E820S-0080-5-60 / FR-E820S-0080-4-60 / FR-E820S-0080EPA-60 / FR-E820S-0080EPB-60	NF63-CV 2P 32A	S-T21BC AC200V 2A2B
FR-E820S-0110-5-60 / FR-E820S-0110-4-60 / FR-E820S-0110EPA-60 / FR-E820S-0110EPB-60	NF63-CV 2P 40A	S-T35BC AC200V 2A2B

Disjuntores e Contatores para Inversores FR-E800 com Alimentação 380V~480V Trifásico

	Sobrecarga ND (150%/60s)		Sobrecarga LD (120%/60s)	
Modelo	**Disjuntor**	**Contator AC-1**	**Disjuntor**	**Contator AC-1**
FR-E840-0016-5-60 FR-E840-0016-4-60 FR-E840-0016EPA-60 FR-E840-0016EPB-60	NF63-CV 3P 6A	S-T10BC	NF63-CV 3P 4A	S-T10BC
FR-E840-0026-5-60 FR-E840-0026-4-60 FR-E840-0026EPA-60 FR-E840-0026EPB-60	NF63-CV 3P 10A	S-T10BC	NF63-CV 3P 10A	S-T10BC
FR-E840-0040-5-60 FR-E840-0040-4-60 FR-E840-0040EPA-60 FR-E840-0040EPB-60	NF63-CV 3P 16A	S-T10BC	NF63-CV 3P 16A	S-T10BC
FR-E840-0060-5-60 FR-E840-0060-4-60 FR-E840-0060EPA-60 FR-E840-0060EPB-60	NF63-CV 3P 16A	S-T21BC	NF63-CV 3P 16A	S-T12BC
FR-E840-0095-5-60 FR-E840-0095-4-60 FR-E840-0095EPA-60 FR-E840-0095EPB-60	NF63-CV 3P 25A	S-T21BC	NF63-CV 3P 20A	S-T21BC
FR-E840-0120-5-60 FR-E840-0120-4-60 FR-E840-0120EPA-60 FR-E840-0120EPB-60	NF63-CV 3P 32A	S-T21BC	NF63-CV 3P 32A	S-T21BC
FR-E840-0170-5-60 FR-E840-0170-4-60 FR-E840-0170EPA-60 FR-E840-0170EPB-60	NF63-CV 3P 40A	S-T35BC	NF63-CV 3P 40A	S-T35BC
FR-E840-0230-5-60 FR-E840-0230-4-60 FR-E840-0230EPA-60 FR-E840-0230EPB-60	NF63-CV 3P 50A	S-T35BC	NF63-CV 3P 63A	S-T35BC
FR-E840-0300-5-60 FR-E840-0300-4-60 FR-E840-0300EPA-60 FR-E840-0300EPB-6	NF63-CV 3P 63A	S-T50BC	NF125-CV 3P 80A	S-T50BC
FR-E840-0380-5-60 FR-E840-0380-4-60 FR-E840-0380EPA-60 FR-E840-0380EPB-60	NF125-CV 3P 80A	S-T50BC	NF125-CV 3P 80A	S-T50BC
FR-E840-0440-5-60 FR-E840-0440-4-60 FR-E840-0440EPA-60 FR-E840-0440EPB-60	NF125-CV 3P 100A	S-T65CW	NF125-CV 3P 100A	S-T65CW

- Para o código completo dos contatores, utilizar: S-T10BC AC200V 1A, S-T12BC AC200V 1A1B, e para tamanhos acima dos modelos citados anteriormente, completar o final do código com "AC200V 2A2B". Para mais informações e demais modelos de contatores, consulte nosso guia rápido de contatores.- Dimensionamento de Disjuntor e Contator considerando conexão SEM reator CC.
- Contator dimensionado para operação comum. Para aplicação de segurança, o contator a ser utilizado deve ser um frame acima em relação ao modelo indicado.

Acessórios Opcionais para linha FR-E800

Código	Descrição	E800-5	E800EPA/EPB/EPC	E800SCE
FR-A8AP-60 E-KIT	Cartão para Encoder Incremental (Controle Vetorial)	●	●	●
FR-A8AX-60 E-KIT	Cartão com 16 entradas digitais	●	●	●
FR-A8AY-60 E-KIT	Cartão com Saídas Digitais e Analógica	●	●	●
FR-A8AR-60 E-KIT	Cartão de Saída a Relé	●	●	●
FR-A8NC-60 E-KIT	Cartão com Porta de Comunicação CC-Link (RS-485)	●	●	●
FR-A8ND-60 E-KIT	Cartão com Porta de Comunicação DeviceNet	●	●	●
FR-A8NP-60 E-KIT	Cartão com Porta de Comunicação PROFIBUS-DP	●	●	●
FR-A8NF-60 E-KIT	Cartão com Porta de Comunicação FL-NET	●	●	●
FR-E8DS-60 E-KIT	Cartão para Entrada de Fonte 24 Vcc externo	●	●	●
FR-LU08 (-01) *1	Display de Operação LCD com Bateria opcional	●	----	----
FR-PU07 *2	Unidade de Parametrização	●	----	----
FR-PU07BB (-L)*2	Unidade de Parametrização com Bateria opcional	●	----	----
FR-PA07	Painel de Operação	●	----	----
FR-HEL-(H)[][][]K	Reator CC (Corrente Contínua) para barramento CC	●	●	●
FR-HAL-(H)[][][]K	Reator CA (Corrente Alternada) para entrada CA	●	●	●
FR-BFP2-(H)[][][]K	Filtro EMC e Reator CC conjugados	●	●	●

*1: Utilize modelo fabricado a partir de Junho/2020.

*2: Utilize modelo fabricado a partir de Agosto/2020.

Lista de Resistores de Frenagem Opcionais para linha FR-E800

INVERSOR EM 220V Trifásico	FRENAGEM LEVE	FRENAGEM PESADA	INVERSOR EM 380~480V	FRENAGEM LEVE	FRENAGEM PESADA
FR-E820-0030-5-60 FR-E820-0030-4-60 FR-E820-0030EPA-60 FR-E820-0030EPB-6	FR-ABR-0.4K	FR-ABR-0.75K	FR-E840-0016-5-60 FR-E840-0016-4-60 FR-E840-0016EPA-60 FR-E840-0016EPB-60	FR-ABR-H0.4K	FR-ABR-H0.75K
FR-E820-0050-5-60 FR-E820-0050-4-60 FR-E820-0050EPA-60 FR-E820-0050EPB-6	FR-ABR-0.75K	FR-ABR-2.2K	FR-E840-0026-5-60 FR-E840-0026-4-60 FR-E840-0026EPA-60 FR-E840-0026EPB-60	FR-ABR-H0.75K	FR-ABR-H1.5K
FR-E820-0080-5-60 FR-E820-0080-4-60 FR-E820-0080EPA-60 FR-E820-0080EPB-60	FR-ABR-2.2K	FR-ABR-3.7K	FR-E840-0040-5-60 FR-E840-0040-4-60 FR-E840-0040EPA-60 FR-E840-0040EPB-60	FR-ABR-H1.5K	FR-ABR-H2.2K
FR-E820-0110-5-60 FR-E820-0110-4-60 FR-E820-0110EPA-60 FR-E820-0110EPB-60	FR-ABR-2.2K	FR-ABR-3.7K	FR-E840-0060-5-60 FR-E840-0060-4-60 FR-E840-0060EPA-60 FR-E840-0060EPB-60	FR-ABR-H2.2K	FR-ABR-H3.7K
FR-E820-0175-5-60 FR-E820-0175-4-60 FR-E820-0175EPA-60 FR-E820-0175EPB-60	FR-ABR-3.7K	FR-ABR-5.5K	FR-E840-0095-5-60 FR-E840-0095-4-60 FR-E840-0095EPA-60 FR-E840-0095EPB-60	FR-ABR-H3.7K	FR-ABR-H5.5K
FR-E820-0240-5-60 FR-E820-0240-4-60 FR-E820-0240EPA-60 FR-E820-0240EPB-60	FR-ABR-5.5K	FR-ABR-7.5K	FR-E840-0120-5-60 FR-E840-0120-4-60 FR-E840-0120EPA-60 FR-E840-0120EPB-60	FR-ABR-H5.5K	FR-ABR-H7.5K
FR-E820-0330-5-60 FR-E820-0330-4-60 FR-E820-0330EPA-60 FR-E820-0330EPB-60	FR-ABR-7.5K	FR-ABR-11K	FR-E840-0170-5-60 FR-E840-0170-4-60 FR-E840-0170EPA-60 FR-E840-0170EPB-60	FR-ABR-H7.5K	FR-ABR-H11K
FR-E820-0470-5-60 FR-E820-0470-4-60 FR-E820-0470EPA-60 FR-E820-0470EPB-60	FR-ABR-11K	FR-BR-15K	FR-E840-0230-5-60 FR-E840-0230-4-60 FR-E840-0230EPA-60 FR-E840-0230EPB-60	FR-ABR-H11K	FR-ABR-H15K
FR-E820-0600-5-60 FR-E820-0600-4-60 FR-E820-0600EPA-60 FR-E820-0600EPB-60	2 Unids. em Paralelo FR-ABR-15K	2 Unids. em Paralelo FR-ABR-22K	FR-E840-0300-5-60 FR-E840-0300-4-60 FR-E840-0300EPA-60 FR-E840-0300EPB-60	2 Unids. Em Série FR-ABR-H15K	FR-BR-H15K
FR-E820-0760-5-60 FR-E820-0760-4-60 FR-E820-0760EPA-60 FR-E820-0760EPB-60	2 Unids. em Paralelo FR-ABR-22K	2 Unids. em Paralelo FR-ABR-22K	FR-E840-0380-5-60 FR-E840-0380-4-60 FR-E840-0380EPA-60 FR-E840-0380EPB-60	2 Unids. em Paralelo FR-ABR-H22K	2 Unids. em Paralelo FR-ABR-H22K
FR-E820-0900-5-60 FR-E820-0900-4-60 FR-E820-0900EPA-60 FR-E820-0900EPB-60	2 Unids. em Paralelo FR-ABR-22K	FR-BR-30K	FR-E840-0440-5-60 FR-E840-0440-4-60 FR-E840-0440EPA-60 FR-E840-0440EPB-60	2 Unids. em Paralelo FR-ABR-H22K	FR-BR-H30K

- Dimensionamento de Disjuntor e Contator considerando conexão SEM reator CC.
- Contator dimensionado para operação comum. Para aplicação de segurança, o contator a ser utilizado deve ser um frame acima em relação ao modelo indicado.

MITSUBISHI ELECTRIC CORPORATION

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