

# NLRV.E72290 - Motor Controllers, Manual

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## Motor Controllers, Manual

**Saelzer Electric GmbH**  
Clemens-Pfau-Platz 27  
Rochlitz, 09306 Germany

E72290

### Investigated to ANSI/UL 60947-1 and ANSI/UL 60947-4-1

**Manual motor controllers "K830 Series"** Model(s) K830-B02, K830-B03, K830-B30, K830-B32, K830-B33, K830-B39, K830-B41, K830-B42

**Manual motor controllers "S825 Series"** Model(s) S825-B02, S825-B03, S825-B30, S825-B32, S825-B33, S825-B39, S825-B41, S825-B42

**Manual motor controllers** Model(s) H212, H226, H233, K616, M220\*, M221\*, M225\*, P110\*, P111\*, P220\*, P221\*, P225\*, P226\*, R212, R212US 1A898-04P, R212US 1A898-04U, S212, S212US 1A898-04P, S212US 1A898-04U, S213, S213US 1A898-04P, S213US 1A898-04U, S220, S220US 1A898-04P, S220US 1A898-04U, S225, S225US 1A898-04P, S225US 1A898-04U, S432L, S440L, S606L, S608L, S612L, T212, T212US 1A898-04P, T212US 1A898-04U, T220, T220US 1A898-04P, T220US 1A898-04U, T225, T225US 1A898-04P, T225US 1A898-04U

**Manual motor controllers, suitable as motor disconnect** Model(s) B240\*, B250\*, B263\*, H216, H220, H240, H263, H406\*, H408, H410, H412\*

\* - May be followed by numbers or letters.

Last Updated on 2021-05-16

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# NLRV2.E72290 - Motor Controllers, Manual - Component

## Motor Controllers, Manual - Component

**Saelzer Electric GmbH**  
Clemens-Pfau-Platz 27  
Rochlitz, 09306 Germany

E72290

### Investigated to ANSI/UL 60947-1 and ANSI/UL 60947-4-1

**Across-the-line starters** Model(s) S-432, S-440, S-606, S-608, S-612

**Switch units, enclosed type** Model(s) 074M2, 075N4, 174M2, 175N4, B070-73-S2

Marking: Company name and model designation.

Last Updated on 2021-05-16

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# NLRV7.E72290 - Motor Controllers, Manual Certified for Canada

## Motor Controllers, Manual Certified for Canada

**Saelzer Electric GmbH**  
Clemens-Pfau-Platz 27  
Rochlitz, 09306 Germany

E72290

### Investigated to CAN/CSA-C22.2 No.60947-1-13 and CAN/CSA-C22.2 No.60947-4-1-14

**Manual motor controllers "K830 Series"** Model(s) K830-B02, K830-B03, K830-B30, K830-B32, K830-B33, K830-B39, K830-B41, K830-B42

**Manual motor controllers "S825 Series"** Model(s) S825-B02, S825-B03, S825-B30, S825-B32, S825-B33, S825-B39, S825-B41, S825-B42

**Manual motor controllers** Model(s) H212, H226, H233, K616, M220\*, M221\*, M225\*, P110\*, P111\*, P220\*, P221\*, P225\*, P226\*, R212, R212US 1A898-04C, R212US 1A898-04P, S212, S212US 1A898-04C, S212US 1A898-04P, S213, S213US 1A898-04C, S213US 1A898-04P, S220, S220US 1A898-04C, S220US 1A898-04P, S225, S225US 1A898-04C, S225US 1A898-04P, S432L, S440L, S606L, S608L, S612L, T212, T212US 1A898-04C, T212US 1A898-04P, T220, T220US 1A898-04C, T220US 1A898-04P, T225, T225US 1A898-04C, T225US 1A898-04P

**Manual motor controllers, suitable as motor disconnect** Model(s) B240\*, B250\*, B263\*, H216, H220, H240, H263, H406\*, H408, H410, H412\*

\* - May be followed by numbers or letters.

Last Updated on 2021-05-16

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# NLRV8.E72290 - Motor Controllers, Manual Certified for Canada - Component

## Motor Controllers, Manual Certified for Canada - Component

**Saelzer Electric GmbH**  
Clemens-Pfau-Platz 27  
Rochlitz, 09306 Germany

E72290

**Investigated to CAN/CSA-C22.2 No.60947-1-13 and CAN/CSA-C22.2 No.60947-4-1-14**

**Across-the-line starters** Model(s) S-432, S-440, S-606, S-608, S-612

**Switch units, enclosed type** Model(s) 074M2, 075N4, 174M2, 175N4, B070-73-S2

Marking: Company name, model designation and the Recognized Component Mark for Canada,



Last Updated on 2021-05-16

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Type	Short Circuit Marking	Short Circuit Additional Marking	Environment Marking	Electrical Rating “Pilot Duty”	Auxiliary Contact Rating	Additional Markings
B240	see section A	Marking D10	–	–	–	Marking F1, F2
B250	see section A	Marking D11	–	–	–	Marking F1, F2
B263	see section A	Marking D12	–	–	–	Marking F1, F2
H212	see section A	–	Marking E1	–	–	
H216	Marking D7	–	Marking E1	–	–	Marking F1
H220	Marking D7	–	Marking E1	–	–	Marking F1
H226	Marking D8	–	Marking E1	–	–	
H233	Marking D9	–	Marking E1	–	–	
H240	see section A	Marking D2	Marking E1	–	see section C	Marking F1
H263	–	Marking D5	Marking E1	–	see section C	Marking F1
H406	–	Marking D2	Marking E2	see section B	see section C	Marking F1
H408	–	Marking D2	Marking E2	see section B	see section C	Marking F1
H410	–	Marking D2	Marking E2	see section B	see section C	Marking F1
H412	–	Marking D2	Marking E2	see section B	see section C	Marking F1
K616	–	–	Marking E1	–	–	–
K830	Marking D4	–	Marking E1	–	–	–
M220	Marking D6	–	Marking E2	see section B	–	–
M221	Marking D6	–	Marking E2	see section B	–	–
M225	Marking D6	–	Marking E2	see section B	–	–
P110	–	–	Marking E2	see section B	–	–
P220	Marking D6	–	Marking E2	see section B	–	–
P221	Marking D6	–	Marking E2	see section B	–	–
P225	Marking D6	–	Marking E2	see section B	–	–
P226	Marking D6	–	Marking E2	see section B	–	–
R212	see section A	–	Marking E1	–	–	–
S212	see section A	–	Marking E1	–	–	–
S213	see section A	–	Marking E1	–	–	–
S220	see section A	–	Marking E1	–	–	–
S225	see section A	“Single-Phase only:” + Marking D1	Marking E1	–	–	–
S432L	see section A	“Three-Phase:” + Marking D3 “Single-Phase:” + Marking D1	Marking E1	–	–	–
S440L	see section A	“Three-Phase:” + Marking D3 “Single-Phase:” + Marking D1	Marking E1	–	–	–
S606L	–	–	Marking E1	–	–	–
S608L	–	–	Marking E1	–	–	–
S612L	–	–	Marking E1	–	–	–
S825	Marking D4	–	Marking E1	–	–	–
T212	see section A	–	Marking E1	–	–	–
T220	see section A	–	Marking E1	–	–	–
T225	see section A	“Single-Phase only:” + Marking D1	Marking E1	–	–	–

**Section A: Short Circuit Marking**

Type		
<b>B240</b>	Short Circuit Rating: 600 V AC, 5000 rms Symmetrical Amperes	
<b>B250</b>		
<b>B263</b>		
Type	Single-Phase	Three-Phase
<b>H212</b>	5000 A, 120/240 V AC	5000 A, 240/600 V AC
<b>H240</b>	5000 A, 600 V AC	5000 A, 600 V AC
<b>R212</b>	5000 A, 120/240 V AC	5000 A, 240/600 V AC
<b>S212</b>	5000 A, 120/240 V AC	5000 A, 240/600 V AC
<b>S213</b>	5000 A, 120/240 V AC	5000 A, 240/600 V AC
<b>S220</b>	5000 A, 120/240 V AC	5000 A, 240 V AC
<b>S225</b>	5000 A, 120/240 V AC	5000 A, 600 V AC
<b>S432L</b>	5000 A, 240 V AC	5000 A, 600 V AC
<b>S440L</b>	5000 A, 120/240 V AC	5000 A, 600 V AC
<b>T212</b>	5000 A, 120/240 V AC	5000 A, 240/600 V AC
<b>T220</b>	5000 A, 120/240 V AC	5000 A, 240 V AC
<b>T225</b>	5000 A, 120/240 V AC	5000 A, 600 V AC

**Section B:****Electrical Rating "Pilot Duty"**

Type	Pilot Duty	Type	Pilot Duty
<b>H408</b>	A600	<b>P110</b>	B300
<b>H410</b>	A600	<b>P220</b>	A600
<b>M220</b>	A600	<b>P221</b>	A600
<b>M221</b>	A600	<b>P225</b>	A300
<b>M225</b>	A600	<b>P226</b>	A600

**Section C: Auxiliary Contact Rating**

Type	Auxiliary Contact Rating
<b>H240</b>	A600/P600/10 A, 600 V AC General Use
<b>H263</b>	A600/P600/10 A, 600 V AC General Use
<b>H406</b>	A600/P600/10 A, 600 V AC General Use
<b>H408</b>	Auxiliary Contact:
<b>H410</b>	Torque (lb-in): 12 lb-in. Wire Range: No. 12 AWG
<b>H412</b>	Temperature: 60 °C

**Section D: Additional Marking**

- D1:** "Suitable for use on a circuit capable of delivering not more than 5 kA rms symmetrical Amperes, 240 Volts maximum. The ampere rating of the branch circuit fuse is to be not more than 225% of rated full-load motor current."
- D2:** "Suitable for use on a circuit capable of delivering not more than 5 kA rms symmetrical Amperes, 600 Volts maximum. The ampere rating of the branch circuit fuse is to be not more than 225% of rated full-load motor current."
- D3:** "Suitable for use on a circuit capable of delivering not more than 5 kA rms symmetrical Amperes, 600 Volts maximum."
- D4:** "Suitable for use on a circuit capable of delivering not more than 5 kA rms symmetrical Amperes, 600 Volts maximum. Use copper conductors only; rated 90°C minimum."
- D5:** "Suitable for use on a circuit capable of delivering not more than 10 kA rms symmetrical Amperes, 600 Volts maximum. The ampere rating of the branch circuit fuse is to be not more than 300% of rated full-load motor current or 175 Amperes max."
- D6:** "Suitable for use on a circuit capable of delivering not more than 5 kA rms symmetrical Amperes, 600 Volts maximum. The ampere rating of the branch circuit fuse is to be not more than 300% of the full-load motor current."
- D7:** "Suitable for use on a circuit capable of delivering 25 symmetrical Amperes, not more than 600 Volts maximum, when protected by 20 A non-time-delay fuse."
- D8:** "Suitable for use on a circuit capable of delivering 30 symmetrical Amperes, not more than 600 Volts maximum, when protected by 45 A time-delay fuse."
- D9:** "Suitable for use on a circuit capable of delivering 40 symmetrical Amperes, not more than 600 Volts maximum, when protected by 60 A time-delay fuse."
- D10:** "Suitable for use on a circuit capable of delivering 40 symmetrical Amperes, not more than 600 Volts maximum, when protected by 40 A non-time-delay fuse."
- D11:** "Suitable for use on a circuit capable of delivering 50 symmetrical Amperes, not more than 600 Volts maximum, when protected by 50 A non-time-delay fuse."
- D12:** "Suitable for use on a circuit capable of delivering 50 symmetrical Amperes, not more than 600 Volts maximum, when protected by 50 A non-time-delay fuse."

**Section E: Environment Marking**

**E1:** "Type 3R only when mounted in vertical plane of the mounting surface; otherwise Type 1.  
See instructions for proper mounting instructions."

**E2:** "Type 3R"

**Section F: Additional Markings**

**F1:** "Suitable as motor disconnect"

**F2:** "Break all lines"