



# sprecher schuh KTA9 Type E Self-Protected Manual Motor Controller User Guide

[Home](#) » [sprecher schuh](#) » sprecher schuh KTA9 Type E Self-Protected Manual Motor Controller User Guide 



## Contents

- [1 KTA9 Type E Self-Protected Manual Motor Controller](#)
- [2 Enclosure Only](#)
- [3 Modifications \(Factory Assembled\)](#)
- [4 Documents / Resources](#)
  - [4.1 References](#)
- [5 Related Posts](#)

**KTA9 Type E Self-Protected Manual Motor Controller**

|                         |           |           |           |                                               |                                            |                                       |                                                                                    |  |
|-------------------------|-----------|-----------|-----------|-----------------------------------------------|--------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------|--|
| Amp / Horsepower Rating |           |           |           |                                               | Non-metallic (IP65) Enclosure              |                                       |  |  |
|                         |           |           |           |                                               |                                            |                                       |                                                                                    |  |
| Max. Horsepower 000     |           |           |           | 0/L Relay A<br>mpere<br>Range 0.10<br>...0.16 | 1Magn<br>etic Re<br>s.<br>r..) Cur<br>rent | Catalog Number 0<br>KTA9-32S-0.16A-CG | 1 D<br>ime<br>nsi<br>on<br>Co<br>de                                                |  |
| Three Phase             |           |           |           |                                               |                                            |                                       |                                                                                    |  |
| 200V<br>—               | 230V<br>— | 460V<br>— | 575V<br>— |                                               |                                            |                                       |                                                                                    |  |
| —                       |           | —         |           | 0.16...0.25                                   | 4.                                         | KTA9-32S-0.25A-CG                     | AY                                                                                 |  |
| —                       |           | —         |           | 0.25...0.40                                   | 6.                                         | KTA9-32S-0.4A-CG                      | AY                                                                                 |  |
| —                       |           | —         |           | 0.40...0.63                                   | 9.                                         | KTA9-32S-0.63A-CG                     | AY                                                                                 |  |
|                         | —         | 1/2       | 1/2       | 0.63...1.0                                    | 14                                         | KTA9-32S-1.0A-CG                      | AY                                                                                 |  |
|                         | —         | 3/4       | —         | 1.0...1.6                                     | 22                                         | KTA9-32S-1.6A-CG                      | AY                                                                                 |  |
| 1/2                     | 1/2       | 1         | 1-1/2     | 1.6...2.5                                     | 35                                         | KTA9-32S-2.5A-CG                      | AY                                                                                 |  |
| 3/4                     | 3/4       | 2         | 3         | 2.5...4.0                                     | 52                                         | KTA9-32S-4.0A-CG                      | AY                                                                                 |  |
| 1                       | 1-1/2     | 3         | 5④        | 4.0...6.3                                     | 88                                         | KTA9-32S-6.3A-CG                      | AY                                                                                 |  |
| 2                       | 2         | 5         | 7/1/2④    | 6.3...10                                      | 140                                        | KTA9-32S-10A-CG                       | AY                                                                                 |  |
| 3                       | 5         | 10        | 10④       | 10...16                                       | 224                                        | KTA9-32S-16A-CG                       | AY                                                                                 |  |
| 5④                      | 5④        | 10④       | 15④       | 14.520                                        | 280                                        | KTA9-32S-20A-CG                       | AY                                                                                 |  |
| 5④                      | 7/1/2④    | 15④       | 20④       | 18...25                                       | 330                                        | KTA9-32S-25A-CG                       | AY                                                                                 |  |
| 7/1/2④                  | 10④       | 20④       | 25④       | 24...29                                       | 406                                        | KTA9-32S-29A-CG                       | AY                                                                                 |  |
| 7/1/2④                  | 10④       | 20④       | 30④       | 27...32                                       | 448                                        | KTA9-32S-32A-CG                       | AY                                                                                 |  |

1. Horsepower ratings shown in the table above are for reference. The final selection of the controller depends on the actual motor full load current and service factor.
  - For motor with service factor less than 1.15. Use motor nameplate full load current times 0.9 and choose the motor starter with the appropriate current range. Example: Motor FLC = 4.2A; S.F. = 1.0.  $4.2A \times 0.9 = 3.78A$ . Select catalog number KTA9-32S-4.0A.
2. Magnetic trip is fixed at 14x the maximum value of the current adjustment range. Refer to page F5 for applied KAIC ratings.
3. KTA9 may be applied to single phase loads if 3 poles of device are wired in series. See footnote 1 for device selection criteria.
4. A red and yellow handle may be selected instead of the standard gray and black handle. Change “CG” suffix to “CJ”. Ex: Change KTA9-32S-0.16A-CG to KTA9-32S- 0.16A-CJ.
5. Handles are built-in to the enclosure and are not available as components.
6. Catalog numbers with specific voltages (i.e. @ 575V) shaded in gray are suitable for use as a manual motor starter only because they are not Type E rated. See page F5 for ratings.

#### Includes:

- Non-metallic (IP65) enclosure with integrated IP65 operator – watertight, dusttight
- KTA9-32S (Standard Interrupting Capacity) “Type E” Self-protected Combination Manual Controller ⑤
- Terminal Adaptor for Type E Applications (Cat.# KT9-40-TE)
- Gray and black IP65 handle ④⑤

#### Enclosure Only

| Description       | Catalog Number Price |
|-------------------|----------------------|
| Gray/Black handle | KT9-ENN              |
| Red/Yellow handle | KT9-ENRY             |

#### Modifications (Factory Assembled)

| Description                                                                                                                                                                                                                                                                                       | Add Suffix to Cat. Number                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| KT9 Auxiliaries & Trip Contacts,<br>Front Mount 250V max.<br>1 NO Auxiliary<br>1 NC Auxiliary<br>1 NO + 1 NC Auxiliary<br>2 NO Auxiliaries<br>1 NO SC+OL + 1 NC Auxiliary<br>1 NO SC+OL + 1 NO Auxiliary<br>Side Mount 600V max.<br>2 NC Auxiliaries<br>2 NO Auxiliaries<br>1 NO + 1 NC Auxiliary | -B<br>-A<br>-C<br>-D<br>-R<br>-S<br>-AS02<br>-AS20<br>-AS11 |
| Additional KT9 Trip Contacts, Side Mount 600V max.<br>1 NO SC+OL+1 NO SC<br>1 NO SC+OL+1 NC SC<br>1 NC SC+OL+1 NO SC                                                                                                                                                                              | -R00<br>-R01<br>-R10                                        |
| Accessories<br>Undervoltage Release Module Shunt Release Module                                                                                                                                                                                                                                   | -UA- <b>*</b><br>-AA- <b>*</b>                              |

#### **-UA..-AA Coil Codes (\*)**

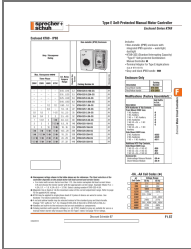
| AC Coil Code | Voltage Range |            |
|--------------|---------------|------------|
|              | 50 Hz         | 60 Hz      |
| 24V          | 21V           | 24V        |
| 28V          | 24V           | 28V        |
| 120V         | 105V          | 120V       |
| 127V         | 110V          | 127V       |
| 230V         | 220...230V    | —          |
| 240V         | —             | 240...260V |
| 277V         | 240V          | 277V       |
| 460V         | 380...400V    | 400...460V |
| 480V         | 415V          | 480V       |
| 600V         | 550V          | 600V       |

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visit [www.sprecherschuh.com/ecatalog](http://www.sprecherschuh.com/ecatalog) for pricing and the most up to date information

#### **Discount Schedule B7**

[www.sprecherschuh.com/ecatalog](http://www.sprecherschuh.com/ecatalog) – All pricing shown in US dollars – FY20



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KTA9 Type E Self-Protected Manual Motor Controller, KTA9, Type E Self-Protected Manual Mot  
or Controller, Motor Controller, Controller

References

- [S Ecatalog | Sprecher + Schuh](#)