

# Altech Corp.®



**Altech®**  
by **KATKO**

## UL98 Disconnect Switches

## UL98 Motor Disconnect Switch - Extended

- Every design is lockable in OFF position
- Switching mechanism speed is independent from the operator
- Silver contacts ensure safe and durable operation

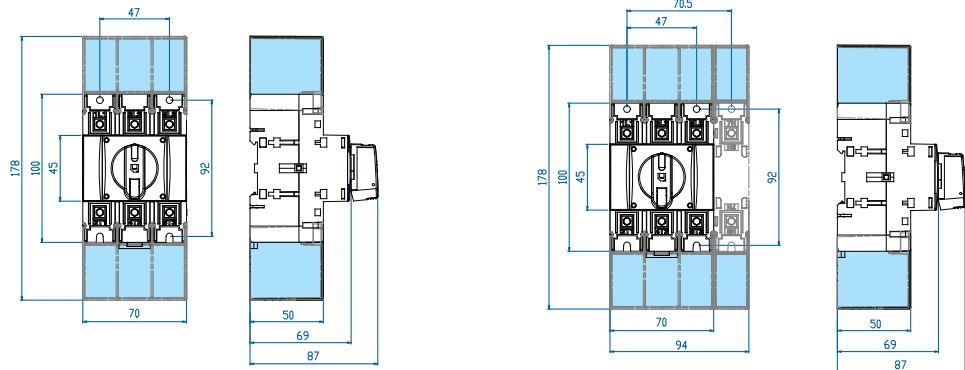


4 Pole disconnect switch shown with optional 3 pole touch protector

| Catalog Number                                                            | KU330UL98              |         | KU360UL98              |         | KU3100UL98             |         |
|---------------------------------------------------------------------------|------------------------|---------|------------------------|---------|------------------------|---------|
| No. of Poles*                                                             | 3 (4 pole - KU330UL98) |         | 3 (4 pole - KU360UL98) |         | 3 (4 pole - KU310UL98) |         |
| General Purpose Current                                                   | 30 A                   |         | 60 A                   |         | 100 A                  |         |
| Maximum Voltage                                                           | 600V AC                |         | 600V AC                |         | 600V AC                |         |
| <b>Horsepower Rating /HP</b>                                              | 1 Phase                | 3 Phase | 1 Phase                | 3 Phase | 1 Phase                | 3 Phase |
| 120V AC                                                                   | 2                      | 1       | 5                      | —       | 5                      | —       |
| 240V AC                                                                   | 5                      | 15      | 7 1/2                  | 20      | 10                     | 25      |
| 480V AC                                                                   | 5                      | 30      | —                      | 40      | —                      | 50      |
| 600V AC                                                                   | 5                      | 50      | —                      | 60      | —                      | 75      |
| <b>Short Circuit Withstand Rating at 600 V with Max. Fuse Size/Class:</b> | 50 kA/30 A Class J     |         | 50 kA/60 A Class J     |         | 50 kA/60 A Class J     |         |
| <b>Terminal Size Acceptability</b><br>(Cu Conductors only, 75°C)          | 14-1/0 AWG             |         | 8-1/0 AWG              |         | 8-1/0 AWG              |         |
| <b>Terminal Torque</b>                                                    | 35lb. in. (4.0 Nm)     |         | 65lb. in. (6.0 Nm)     |         | 65lb. in. (6.0 Nm)     |         |
| <b>Screw Head Type</b>                                                    | 4mm Allen Key          |         | 4mm Allen Key          |         | 4mm Allen Key          |         |
| <b>Dimensions</b>                                                         |                        |         |                        |         |                        |         |

(to convert to inches multiply by 0.03937)

NOTE: Optional touch protectors shown in light blue.



|               |                          |  |                          |  |                          |  |
|---------------|--------------------------|--|--------------------------|--|--------------------------|--|
| <b>Weight</b> | 0.45 kg (4 pole 0.59 kg) |  | 0.45 kg (4 pole 0.59 kg) |  | 0.45 kg (4 pole 0.59 kg) |  |
|---------------|--------------------------|--|--------------------------|--|--------------------------|--|

### Suitable Accessories

#### DOOR INTERLOCK HANDLES



Lockable with up to 3 padlocks.

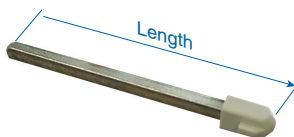
Lockable with up to 3 padlocks.

#### SIDE MOUNTED AUXILIARY SWITCHES

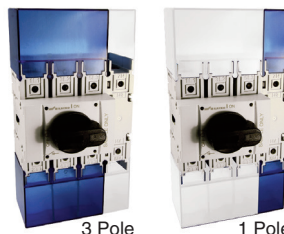


|                                      |                   |             |                   |            |                          |                        |             |
|--------------------------------------|-------------------|-------------|-------------------|------------|--------------------------|------------------------|-------------|
| <b>Cat. No.</b>                      | LK10 UL           | LK10 Y/R UL | LK11 U            | LK11 Y/R U | <b>Cat. No.</b>          | 1.V160KU               | 2.V160KU    |
| <b>Environmental Rating UL (IEC)</b> | UL Type 4X (IP66) |             | UL Type 4X (IP67) |            | <b>No. of Contacts</b>   | 1n.o./1n.c.            | 2n.o./2n.c. |
| <b>Color</b>                         | Black             | Yellow/Red  | Black             | Yellow/Red | <b>Electrical Rating</b> | 16 A/1/2HP/125-250V AC |             |

#### DOOR INTERLOCK SHAFT



|                   |              |              |             |
|-------------------|--------------|--------------|-------------|
| <b>Cat. No.</b>   | L100 AD11-ST | L200 AD11-ST | L300AD11-ST |
| <b>Length (L)</b> | 100 mm       | 200 mm       | 300 mm      |
| <b>Material</b>   | Steel        | Steel        | Steel       |



#### BLUE TOUCH PROTECTOR

|                 |              |            |
|-----------------|--------------|------------|
| <b>Cat. No.</b> | LS/VS 160 3P | LS/VS N160 |
| <b>Poles</b>    | 3            | 1          |

\* 6 and 8 pole versions along with changeover version available upon request.

# UL98 Motor Disconnect Switch - Sheet Metal Enclosure



- Can be used locally at the motor
- UL Type 4
- Excellent in harsh weather conditions
- Resistant to many chemicals
- Corrosion and UV resistant
- IEC IP65 Protection Level
- Lockable - Defeatable Handle



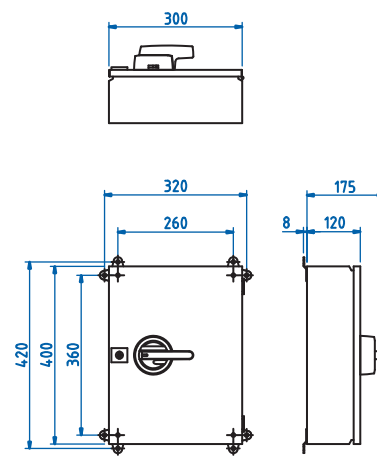
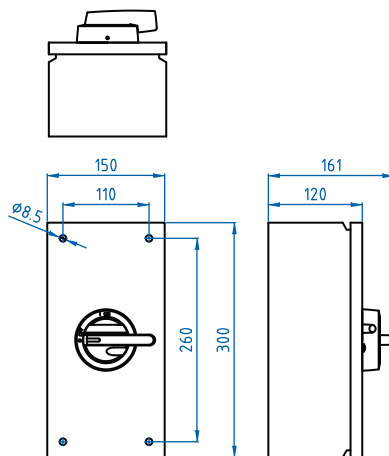
All Models are lockable  
with up to 3 padlocks.

## Catalog Number

- Yellow/Red Handle
- Black Handle

|                                                                  | KET360UL98 Y/R<br>KET360UL98 |         | KET460UL98 Y/R<br>KET460UL98 |         | KET3100UL98 Y/R<br>KET3100UL98 |         | KET4100UL98 Y/R<br>KET4100UL98 |         |
|------------------------------------------------------------------|------------------------------|---------|------------------------------|---------|--------------------------------|---------|--------------------------------|---------|
| No. of Poles*                                                    | 3                            |         | 4                            |         | 3                              |         | 4                              |         |
| General Purpose Current                                          | 60 A                         |         | 60 A                         |         | 100 A                          |         | 100 A                          |         |
| Maximum Voltage                                                  | 600V AC                      |         | 600V AC                      |         | 600V AC                        |         | 600V AC                        |         |
| <b>Horsepower Rating /HP</b>                                     | 1 Phase                      | 3 Phase | 1 Phase                      | 3 Phase | 1 Phase                        | 3 Phase | 1 Phase                        | 3 Phase |
|                                                                  | 120V AC                      | 3       | —                            | 3       | —                              | 5       | 5                              | —       |
|                                                                  | 240V AC                      | 7.5     | 20                           | 7.5     | 20                             | 10      | 25                             | 10      |
|                                                                  | 480V AC                      | —       | 40                           | —       | 40                             | —       | 50                             | —       |
|                                                                  | 600V AC                      | —       | 60                           | —       | 60                             | —       | 75                             | —       |
| <b>Short Circuit Withstand Rating at 600 V</b>                   | 50 kA/60 A Class J           |         | 50 kA/60 A Class J           |         | 50 kA/100 A Class J            |         | 50 kA/100 A Class J            |         |
| <b>Terminal Size Acceptability</b><br>(Cu Conductors only, 75°C) | 8-1/0 AWG                    |         | 8-1/0 AWG                    |         | 8-1/0 AWG                      |         | 8-1/0 AWG                      |         |
| <b>Terminal Torque</b>                                           | 65lb. in. (6.0 Nm)           |         | 65lb. in. (6.0 Nm)           |         | 65lb. in. (6.0 Nm)             |         | 65lb. in. (6.0 Nm)             |         |
| <b>Screw Head Type</b>                                           | 4mm Allen Key                |         | 4mm Allen Key                |         | 4mm Allen Key                  |         | 4mm Allen Key                  |         |
| <b>Dimensions &amp; Size</b>                                     | TR01                         |         | TR01                         |         | TR02                           |         | TR02                           |         |

(to convert to inches multiply by 0.03937)



|               |        |        |        |        |
|---------------|--------|--------|--------|--------|
| <b>Weight</b> | 4.3 kg | 4.4 kg | 9.7 kg | 9.8 kg |
|---------------|--------|--------|--------|--------|

## Suitable Accessories

### AUXILIARY SWITCHES



|                          |                        |             |
|--------------------------|------------------------|-------------|
| <b>Cat. No.</b>          | 1.V160KU               | 2.V160KU    |
| <b>No. of Contacts</b>   | 1n.o./1n.c.            | 2n.o./2n.c. |
| <b>Electrical Rating</b> | 16 A/1/2HP/125-250V AC |             |

\* 6 and 8 pole versions along with changeover version available upon request.

# UL98 Motor Disconnect Switch - Stainless Steel Enclosure



- Can be used locally at the motor
- UL Type 4X
- Ideal where chemicals are used for cleaning and maintenance such as food processing and breweries
- Mining is another application area
- Stainless Steel (Grade AISI 316)
- Corrosion Resistant
- IEC IP65 Protection Level
- Lockable - Defeatable Handle



All Models are lockable with up to 3 padlocks.

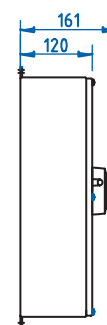
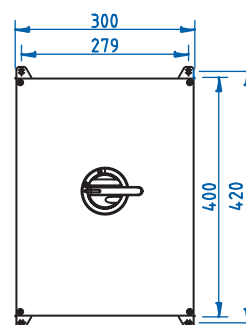
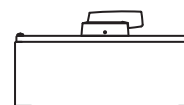
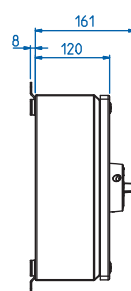
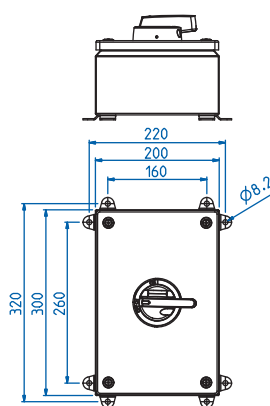


## Catalog Number

- Yellow/Red Handle
- Black Handle

|                                                                  | KER360UL98 Y/R<br>KER360UL98 |         | KER460UL98 Y/R<br>KER460UL98 |         | KER3100UL98 Y/R<br>KER3100UL98 |         | KER4100UL98 Y/R<br>KER4100UL98 |         |
|------------------------------------------------------------------|------------------------------|---------|------------------------------|---------|--------------------------------|---------|--------------------------------|---------|
| No. of Poles*                                                    | 3                            |         | 4                            |         | 3                              |         | 4                              |         |
| General Purpose Current                                          | 60 A                         |         | 60 A                         |         | 100 A                          |         | 100 A                          |         |
| Maximum Voltage                                                  | 600V AC                      |         | 600V AC                      |         | 600V AC                        |         | 600V AC                        |         |
| <b>Horsepower Rating /HP</b>                                     | 1 Phase                      | 3 Phase | 1 Phase                      | 3 Phase | 1 Phase                        | 3 Phase | 1 Phase                        | 3 Phase |
|                                                                  | 120V AC                      | 3       | —                            | 3       | —                              | 5       | 5                              | —       |
|                                                                  | 240V AC                      | 7.5     | 20                           | 7.5     | 20                             | 10      | 25                             | 25      |
|                                                                  | 480V AC                      | —       | 40                           | —       | 40                             | —       | 50                             | 50      |
|                                                                  | 600V AC                      | —       | 60                           | —       | 60                             | —       | 75                             | 75      |
| <b>Short Circuit Withstand Rating at 600 V</b>                   | 50 kA/60 A Class J           |         | 50 kA/60 A Class J           |         | 50 kA/100 A Class J            |         | 50 kA/100 A Class J            |         |
| <b>Terminal Size Acceptability</b><br>(Cu Conductors only, 75°C) | 8-1/0 AWG                    |         | 8-1/0 AWG                    |         | 8-1/0 AWG                      |         | 8-1/0 AWG                      |         |
| <b>Terminal Torque</b>                                           | 65lb. in. (6.0 Nm)           |         | 65lb. in. (6.0 Nm)           |         | 65lb. in. (6.0 Nm)             |         | 65lb. in. (6.0 Nm)             |         |
| <b>Screw Head Type</b>                                           | 4mm Allen Key                |         | 4mm Allen Key                |         | 4mm Allen Key                  |         | 4mm Allen Key                  |         |
| <b>Dimensions &amp; Size</b>                                     | H01                          |         | H01                          |         | H02                            |         | H02                            |         |

(to convert to inches multiply by 0.03937)



|               |        |        |        |        |
|---------------|--------|--------|--------|--------|
| <b>Weight</b> | 3.3 kg | 3.4 kg | 6.9 kg | 7.0 kg |
|---------------|--------|--------|--------|--------|

## Suitable Accessories

### AUXILIARY SWITCHES



|                          |                        |                 |
|--------------------------|------------------------|-----------------|
| <b>Cat. No.</b>          | <b>1.V160KU</b>        | <b>2.V160KU</b> |
| <b>No. of Contacts</b>   | 1n.o./1n.c.            | 2n.o./2n.c.     |
| <b>Electrical Rating</b> | 16 A/1/2HP/125-250V AC |                 |

\* 6 and 8 pole versions along with changeover version available upon request.



# UL98 Motor Disconnect Switch - Polycarbonate Enclosure



- Can be used locally at the motor
- UL Type 4X
- IEC IP65 Protection Level
- UV resistant
- Resistant to many chemicals
- Lockable - Defeatable Handle



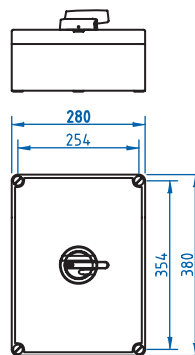
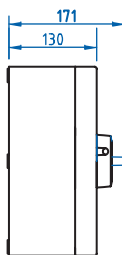
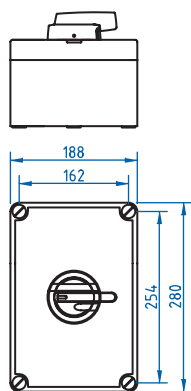
All Models are lockable with up to 3 padlocks.

## Catalog Number

- Yellow/Red Handle
- Black Handle

|                                                                  | KEM360UL98 Y/R<br>KEM360UL98 |         | KEM460UL98 Y/R<br>KEM460UL98 |         | KEM3100UL98 Y/R<br>KEM3100UL98 |         | KEM4100UL98 Y/R<br>KEM4100UL98 |         |
|------------------------------------------------------------------|------------------------------|---------|------------------------------|---------|--------------------------------|---------|--------------------------------|---------|
| No. of Poles*                                                    | 3                            |         | 4                            |         | 3                              |         | 4                              |         |
| General Purpose Current                                          | 60 A                         |         | 60 A                         |         | 100 A                          |         | 100 A                          |         |
| Maximum Voltage                                                  | 600V AC                      |         | 600V AC                      |         | 600V AC                        |         | 600V AC                        |         |
| <b>Horsepower Rating /HP</b>                                     | 1 Phase                      | 3 Phase | 1 Phase                      | 3 Phase | 1 Phase                        | 3 Phase | 1 Phase                        | 3 Phase |
| 120V AC                                                          | 3                            | —       | 3                            | —       | 5                              | —       | 5                              | —       |
| 240V AC                                                          | 7.5                          | 20      | 7.5                          | 20      | 10                             | 25      | 10                             | 25      |
| 480V AC                                                          | —                            | 40      | —                            | 40      | —                              | 50      | —                              | 50      |
| 600V AC                                                          | —                            | 60      | —                            | 60      | —                              | 75      | —                              | 75      |
| <b>Short Circuit Withstand Rating at 600 V</b>                   | 50 kA/60 A Class J           |         | 50 kA/60 A Class J           |         | 50 kA/100 A Class J            |         | 50 kA/100 A Class J            |         |
| <b>Terminal Size Acceptability</b><br>(Cu Conductors only, 75°C) | 8-1/0 AWG                    |         | 8-1/0 AWG                    |         | 8-1/0 AWG                      |         | 8-1/0 AWG                      |         |
| <b>Terminal Torque</b>                                           | 65lb. in. (6.0 Nm)           |         | 65lb. in. (6.0 Nm)           |         | 65lb. in. (6.0 Nm)             |         | 65lb. in. (6.0 Nm)             |         |
| <b>Screw Head Type</b>                                           | 4mm Allen Key                |         | 4mm Allen Key                |         | 4mm Allen Key                  |         | 4mm Allen Key                  |         |
| <b>Dimensions &amp; Size</b>                                     | MF10                         |         | MF10                         |         | MF11UL                         |         | MF11UL                         |         |

(to convert to inches multiply by 0.03937)



|               |        |        |        |        |
|---------------|--------|--------|--------|--------|
| <b>Weight</b> | 2.4 kg | 3.3 kg | 2.5 kg | 3.4 kg |
|---------------|--------|--------|--------|--------|

## Suitable Accessories

### AUXILIARY SWITCHES



|                          |                        |                 |
|--------------------------|------------------------|-----------------|
| <b>Cat. No.</b>          | <b>1.V160KU</b>        | <b>2.V160KU</b> |
| <b>No. of Contacts</b>   | 1n.o./1n.c.            | 2n.o./2n.c.     |
| <b>Electrical Rating</b> | 16 A/1/2HP/125-250V AC |                 |

\* 6 and 8 pole versions along with changeover version available upon request.



## We have a full line of High Quality Disconnect Switches & Accessories.

### FEATURES AND BENEFITS:

- One of the smallest 80 A switches in the industry
- Advanced switch technology  
(use of silver contacts ensures safe and durable operation)
- Across the line, motor starting - up to 75 hp/600 V
- General Use Rating - 16 A to 150 A/600 V
- Available as rotary switches for extended or direct handle applications
- Toggle switches
- Non-fused switch
- Short Circuit Withstand Rating of 10 kA with back-up fuse
- DIN Rail and panel mount available
- Comprehensive range of accessories
- Snap on auxiliary contacts
- Enclosed switches have UL Listed Type 4 and/or 4X rating; watertight
- Operating temperature is -20°C to +40°C

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### UL60947-4-1A (Formerly UL508) Listed Manual Motor Controllers

with Disconnecting Means



AC Motor Across-The-Line  
AC General Use