

# MOTOR DISCONNECT SWITCHES

## FEATURES AND BENEFITS:

- One of the smallest 60A switches in the industry with compact design
- Advanced switch technology (use of silver contacts ensures safe and durable operation)
- Across the line, motor starting - up to 75hp/600V
- General Use Rating - 25A to 150A/600V
- Available as rotary switches for extended or direct handle
- Toggle switches
- Non-fused switch
- Interrupting capacity 10kA with back-up fuse
- DIN Rail and panel mount available
- Comprehensive range of accessories includes Door Mounting Kits & Fuse Holder
- Snap on auxiliary contacts
- Enclosed switches with NEMA Type 4x rating

## UL508 Listed Manual Motor Controllers

with Disconnecting Means



AC Motor Across-The-Line  
AC General Use



### EXTENDED / DIRECT HANDLE MOTOR DISCONNECT SWITCH

|                                   |     |
|-----------------------------------|-----|
| KU/VKA switches .....             | 4-5 |
| Extended Handle Accessories ..... | 6   |
| Direct Handle Accessories .....   | 7   |



### TOGGLE HANDLE MOTOR DISCONNECT SWITCH

|                                        |       |
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| KUE/EVA Switches and Accessories ..... | 10-11 |
|----------------------------------------|-------|



### ENCLOSED MOTOR DISCONNECT SWITCHES & FUSED ENCLOSED MOTOR DISCONNECT SWITCH (30A)

|                                         |       |
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| KEM Switches and Accessories .....      | 12-13 |
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### APPLICATION EXAMPLES

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## Extended/Direct Handle Motor Disconnect Switch



The KU/VKA...N series can be used with extended and direct handles (see page 8-9 for details).



### Catalog Number

|                         | KU325N              | KU340N              | KU363N              |
|-------------------------|---------------------|---------------------|---------------------|
| No. of Poles            | 3 (4 pole - KU425N) | 3 (4 pole - KU440N) | 3 (4 pole - KU463N) |
| General Purpose Current | 25A                 | 40A                 | 60A                 |
| Maximum Voltage         | 600V AC             | 600V AC             | 600V AC             |
| Motor FLA @ 480V AC     | 17.5A               | 28A                 | 34A                 |
| Motor FLA @ 600V AC     | 11A                 | 18A                 | 27A                 |

### Horsepower Rating /HP

|             | 1 Phase | 3 Phase | 1 Phase | 3 Phase | 1 Phase | 3 Phase |
|-------------|---------|---------|---------|---------|---------|---------|
| 110-120V AC | 1       | 2       | 2       | 3       | 3       | 5       |
| 200V AC     | 2       | 5       | 3       | 7.5     | 5       | 10      |
| 208V AC     | 2       | 5       | 3       | 7.5     | 5       | 10      |
| 220-240V AC | 3       | 7.5     | 5       | 10      | 5       | 10      |
| 265V AC     | 3       | 7.5     | 5       | 10      | 5       | 10      |
| 277V AC     | 3       | 7.5     | 5       | 10      | 7.5     | 10      |
| 380-415V AC | 5       | 10      | 7.5     | 15      | 10      | 20      |
| 440-480V AC | 7.5     | 15      | 10      | 20      | 15      | 25      |
| 550-600V AC | 5       | 10      | 7.5     | 15      | 15      | 25      |

### Short Circuit Withstand Rating at 600 V with Max. Fuse Size/Class:

|     | 10kA | 10kA | 10kA              |
|-----|------|------|-------------------|
| K5  | 50A  | 50A  | 60A               |
| RK5 | 50A  | 50A  | 60A (80A@480V AC) |
| RK1 | 80A  | 80A  | 100A              |
| J   | 80A  | 80A  | 100A              |

### Terminal Size

#### Acceptability

(Cu Conductors only, 75°C)

### Terminal Torque

14-8AWG

14-8AWG

12-4AWG

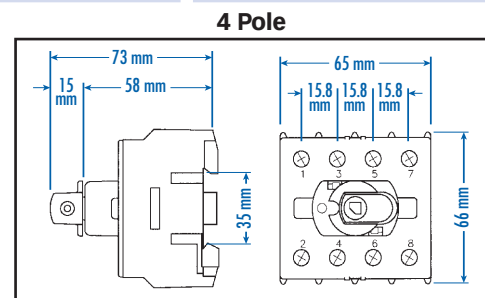
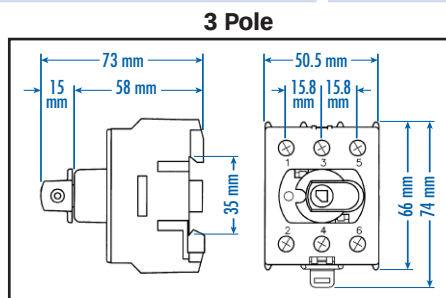
16 lb. in.

16 lb. in.

16 lb. in.

### Dimensions

(to convert to inches multiply by 0.03937)



### Weight

0.172Kg (0.379lb.) (3 pole)  
0.215Kg (0.474lb.) (4 pole)

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0.215Kg (0.474lb.) (4 pole)

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0.215Kg (0.474lb.) (4 pole)

### Suitable Accessories

#### Extended Handle Version/ Door Interlock Mechanism

|                  |                             |                             |                             |
|------------------|-----------------------------|-----------------------------|-----------------------------|
| Shaft            | L1(2,3)00AD11-ST            | L1(2,3)00AD11-ST            | L1(2,3)00AD11-ST            |
| Handles          | LK10 (Y/R) UL, LK11 (Y/R) U | LK10 (Y/R) UL, LK11 (Y/R) U | LK10 (Y/R) UL, LK11 (Y/R) U |
| Auxiliary Switch | KU1V, KU2.V                 | KU1V, KU2.V                 | KU1V, KU2.V                 |
| Fuse Holder      | —                           | KV 10x38, KV 10x38 CC       | —                           |

#### Direct Handle Version

|                    |                                 |                                 |                                 |
|--------------------|---------------------------------|---------------------------------|---------------------------------|
| Handle for 3 Pole  | K/KU3P (Y/R)                    | K/KU3P (Y/R)                    | K/KU3P (Y/R)                    |
| Handle for 4 Pole  | K/KU4P (Y/R)                    | K/KU4P (Y/R)                    | K/KU4P (Y/R)                    |
| Door Mounting Kits | OKA0.V (Y/R), OKA/KU LK10 (Y/R) | OKA0.V (Y/R), OKA/KU LK10 (Y/R) | OKA0.V (Y/R), OKA/KU LK10 (Y/R) |

**Catalog Number**

|                         |                      |                       |                       |                       |
|-------------------------|----------------------|-----------------------|-----------------------|-----------------------|
|                         | VKA380N              | VKA3100N              | VKA3125N              | VKA3160N              |
| No. of Poles            | 3 (4 pole - VKA480N) | 3 (4 pole - VKA4100N) | 3 (4 pole - VKA4125N) | 3 (4 pole - VKA4160N) |
| General Purpose Current | 80A                  | 100A                  | 125A                  | 150A                  |
| Maximum Voltage         | 600V AC              | 600V AC               | 600V AC               | 600V AC               |
| Motor FLA @ 480V AC     | —                    | —                     | —                     | —                     |
| Motor FLA @ 600V AC     | 47A                  | 54A                   | 68A                   | 83A                   |

**Horsepower Rating /HP**

|             | 1 Phase | 3 Phase | 1 Phase | 3 Phase | 1 Phase | 3 Phase | 1 Phase | 3 Phase |
|-------------|---------|---------|---------|---------|---------|---------|---------|---------|
| 110-120V AC | 3       | 7.5     | 3       | 7.5     | 5       | 10      | 7.5     | 10      |
| 200V AC     | 7.5     | 10      | 7.5     | 15      | 10      | 20      | 10      | 25      |
| 208V AC     | 7.5     | 15      | 7.5     | 15      | 10      | 20      | 10      | 25      |
| 220-240V AC | 7.5     | 15      | 10      | 20      | 15      | 25      | 15      | 30      |
| 265V AC     | 10      | 20      | 10      | 20      | 15      | 25      | 20      | 30      |
| 277V AC     | 10      | 20      | 10      | 20      | 15      | 30      | 20      | 30      |
| 380-415V AC | 15      | 25      | 15      | 30      | 20      | 40      | 25      | 50      |
| 440-480V AC | 20      | 30      | 20      | 40      | 25      | 50      | 30      | 60      |
| 550-600V AC | 25      | 40      | 30      | 50      | 30      | 60      | 40      | 75      |

**Short Circuit Withstand Rating at 600 V with Max. Fuse Size/Class:**

|     |      |      |      |      |
|-----|------|------|------|------|
|     | 10kA | 10kA | 10kA | 10kA |
| K5  | 150A | 150A | 150A | 150A |
| RK5 | 150A | 150A | 150A | 150A |
| RK1 | —    | —    | —    | —    |
| J   | 200A | 200A | 200A | 200A |

**Terminal Size Acceptability**

(Cu Conductors only, 75°C)

**Terminal Torque**

4-1/0AWG

4-1/0AWG

4-1/0AWG

4-1/0AWG

50 lb. in.

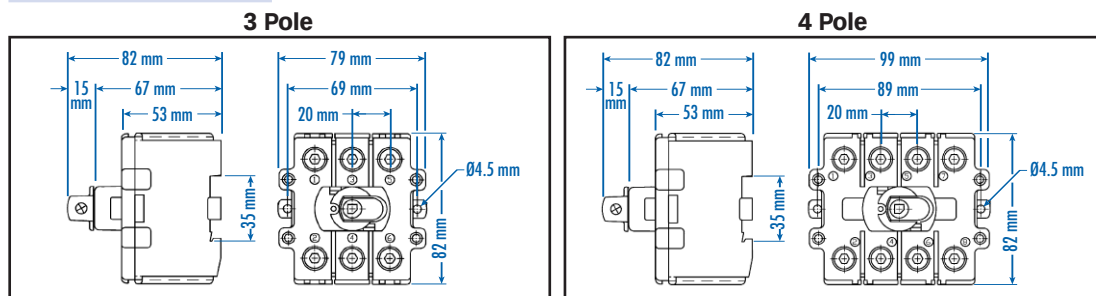
50 lb. in.

50 lb. in.

50 lb. in.

**Dimensions**

(to convert to inches multiply by 0.03937)

**Weight**

|                             |                             |                             |                             |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| 0.480Kg (1.058lb.) (3 pole) | 0.480Kg (1.058lb.) (3 pole) | 0.480Kg (1.058lb.) (3 pole) | 0.480Kg (1.058lb.) (3 pole) |
| 0.620Kg (1.367lb.) (4 pole) | 0.620Kg (1.367lb.) (4 pole) | 0.620Kg (1.367lb.) (4 pole) | 0.620Kg (1.367lb.) (4 pole) |

**Suitable Accessories****Extended Handle Version/  
Door Interlock Mechanism**

|                  |                             |                             |                             |                             |
|------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Shaft            | L1(2.3)00AD11-ST            | L1(2.3)00AD11-ST            | L1(2.3)00AD11-ST            | L1(2.3)00AD11-ST            |
| Handles          | LK10 (Y/R) UL, LK11 (Y/R) U | LK10 (Y/R) UL, LK11 (Y/R) U | LK10 (Y/R) UL, LK11 (Y/R) U | LK10 (Y/R) UL, LK11 (Y/R) U |
| Auxiliary Switch | VKA1V, VKA2.V               | VKA1V, VKA2.V               | VKA1V, VKA2.V               | VKA1V, VKA2.V               |
| Fuse Holder      | —                           | —                           | —                           | —                           |

**Direct Handle Version**

|                       |                 |                 |                 |                 |
|-----------------------|-----------------|-----------------|-----------------|-----------------|
| Handle for 3 & 4 Pole | KVKA3-4P (Y/R)  | KVKA3-4P (Y/R)  | KVKA3-4P (Y/R)  | KVKA3-4P (Y/R)  |
| Door Mounting Kit     | OKAV LK11 (Y/R) | OKAV LK11 (Y/R) | OKAV LK11 (Y/R) | OKAV LK11 (Y/R) |

## Extended Handle Accessories

### DOOR INTERLOCK HANDLES

#### LK10 (Y/R) UL:

- Single hole mounting (22.5mm)
- Defeatable (built-in mechanism)



LK10 UL



LK11 U

#### LK11 (Y/R) U:

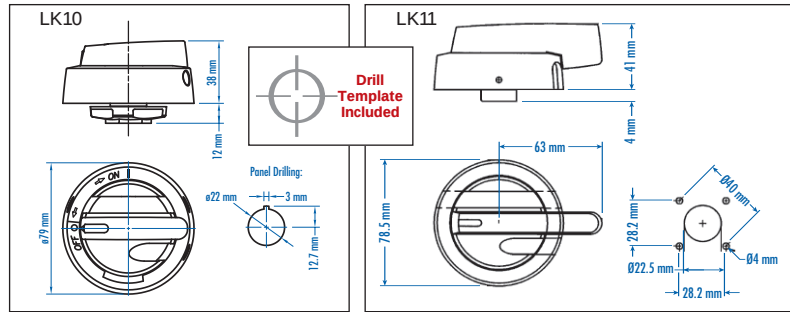
- Retention mechanism (only rotates 90° from off to on, keeps handle in off position while cabinet door is open)
- Defeatable (looses NEMA rating)



LK10 Y/R UL



LK11 Y/R U



#### Cat. No.

LK10 UL

LK10 Y/R UL

LK11 U

LK11 Y/R U

#### Environmental Rating

NEMA Type 4X, IP66

NEMA Type 4X, IP66

NEMA Type 4X, IP67

NEMA Type 4X, IP67

#### Color

Black

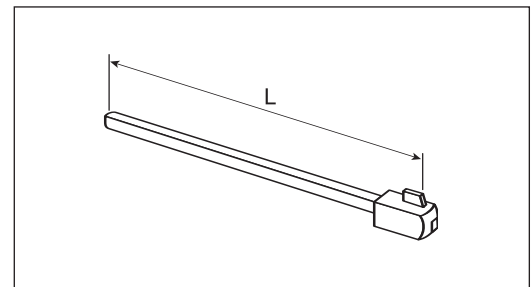
Yellow/Red

Black

Yellow/Red

### DOOR INTERLOCK SHAFT

The steel shaft ensures reliable operation even in the toughest conditions.



#### Cat. No.

L100AD11-ST

L200AD11-ST

L300AD11-ST

#### Length (L)

100mm

200mm

300mm

#### Material

Steel

Steel

Steel

### AUXILIARY SWITCHES

The auxiliary switches are the snap-on type and can be retrofitted.



#### Cat. No.

KU1.V

KU2.V

VKA1.V

VKA2.V

#### Electrical Rating

10A/1/2HP/125-250V AC

10A/1/2HP/125-250V AC

10A/1/2HP/125-250V AC

10A/1/2HP/125-250V AC

#### No. of contacts

1n.o./1n.c.

2n.o./2n.c.

1n.o./1n.c.

2n.o./2n.c.

#### For Use With

KU models

KU models

VKA models

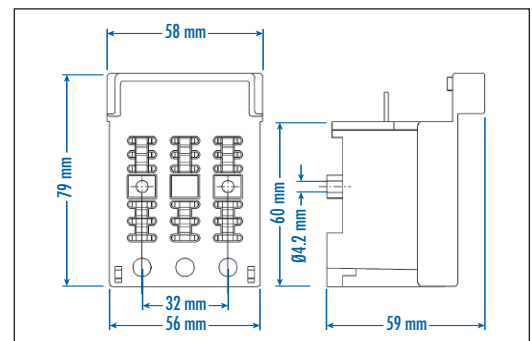
VKA models

### FUSE HOLDER

This fuseholder can be retrofitted with the KU340N. Therefore design changes can be incorporated with ease to allow a fusible disconnect.



Shown with extended handle switch.



#### Cat. No.

KV 10x38

KV 10x38 CC

#### Electrical Rating

30A/600V AC

30A/600V AC

#### Fuse Type

10x38, Midget

Class CC

#### For Use With

KU340N

KU340N

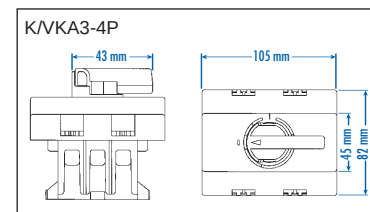
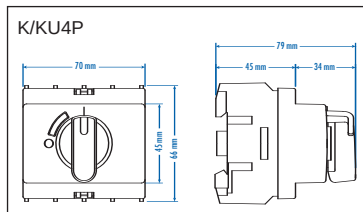
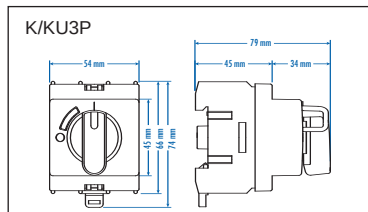
Dimensions (to convert to inches multiply by 0.03937)

## DIRECT HANDLES

Improved design with metal shaft. Use for all your "inside the panel" applications.

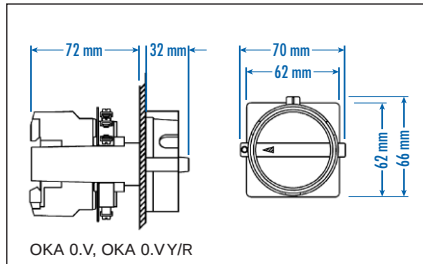


| Cat. No.     | K/KU3P         | K/KU3P Y/R     | K/KU4P         | K/KU4P Y/R     | K/VKA3-4P         | K/VKA3-4P Y/R     |
|--------------|----------------|----------------|----------------|----------------|-------------------|-------------------|
| Color        | Black          | Yellow/Red     | Black          | Yellow/Red     | Black             | Yellow/Red        |
| For use with | KU models (3P) | KU models (3P) | KU models (4P) | KU models (4P) | VKA models (3/4P) | VKA models (3/4P) |
| Dimensions   |                |                |                |                |                   |                   |



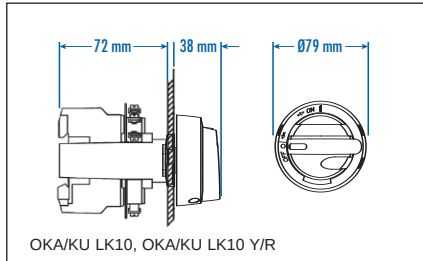
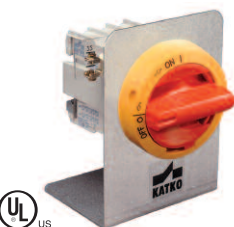
## DOOR MOUNTING KITS

Designed for fast and easy assembly.



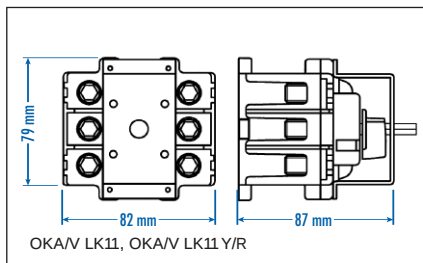
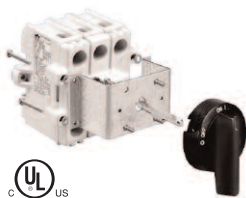
Shown with switch and display plate. (sold separately)

| Cat. No.             | OKA 0.V        | OKA 0.V Y/R    |
|----------------------|----------------|----------------|
| Environmental Rating | IP65           | IP65           |
| Color                | Black          | Yellow/Red     |
| For use with         | KU models (3P) | KU models (3P) |



Shown with switch and display plate. (sold separately)

| Cat. No.             | OKA/KU LK10        | OKA/KU LK10 Y/R    |
|----------------------|--------------------|--------------------|
| Environmental Rating | NEMA Type 4X, IP66 | NEMA Type 4X, IP66 |
| Color                | Black              | Yellow/Red         |
| For use with         | KU models (3P)     | KU models (3P)     |

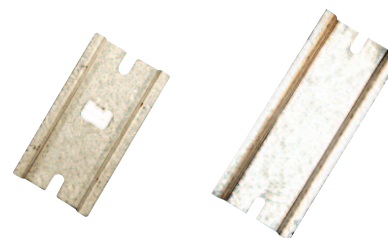


Shown with switch. (sold separately)

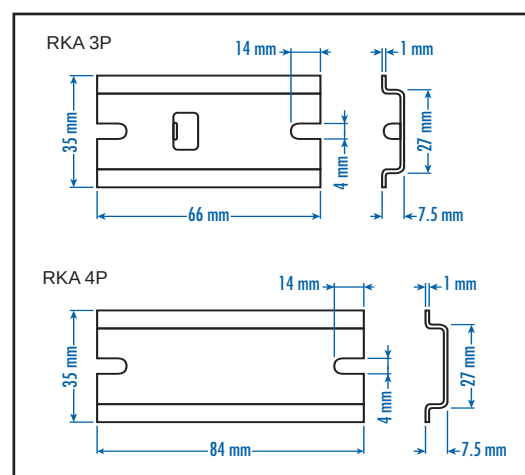
| Cat. No.             | OKA/V LK11         | OKA/V LK11 Y/R     |
|----------------------|--------------------|--------------------|
| Environmental Rating | NEMA Type 4X, IP67 | NEMA Type 4X, IP67 |
| Color                | Black              | Yellow/Red         |
| For use with         | VKA models (3P)    | VKA models (3P)    |

## MOUNTING ALTERNATIVES - ALUMINUM DIN RAIL

Panel mount option for small Disconnect Switches.



| Cat. No.     | RKA 3P       | RKA 4P       |
|--------------|--------------|--------------|
| For Use With | KU325/40/63N | KU425/40/63N |



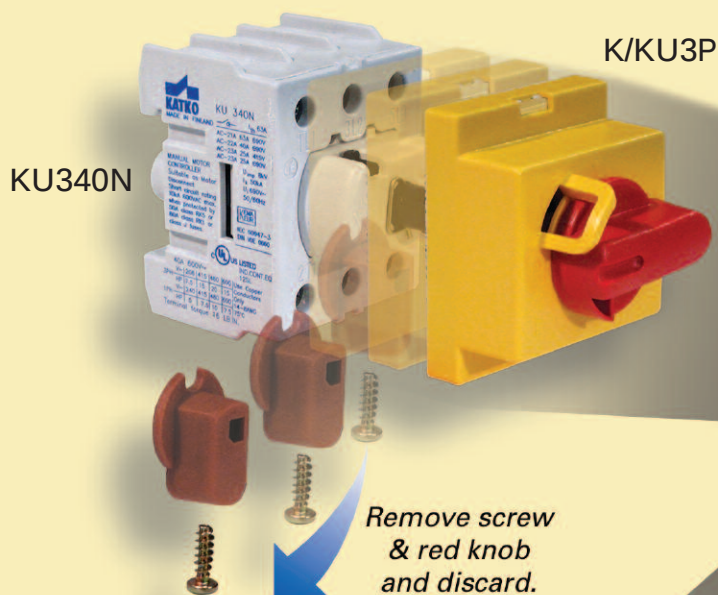
## NOTE:

In the rare case that your mounting hardware (screws) for DIN Rail interfere with the enforcement studs in the back of the Motor Disconnect Switch please use smaller ( $\leq M3$  or equivalent) flathead screws or change your DIN Rail to the 15mm high version.

**Dimensions** (to convert to inches multiply by 0.03937)

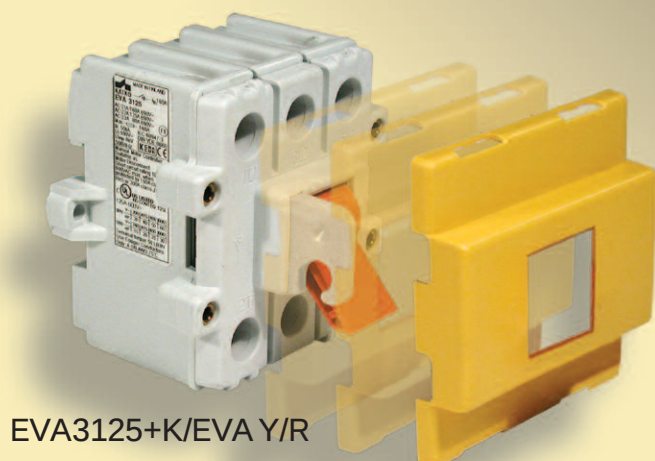
## Direct Handle Motor Disconnect Switch

*Used when a switch is required  
within a panel.*



## Toggle Handle Motor Disconnect Switch

*Used when a switch is required  
within a panel.*

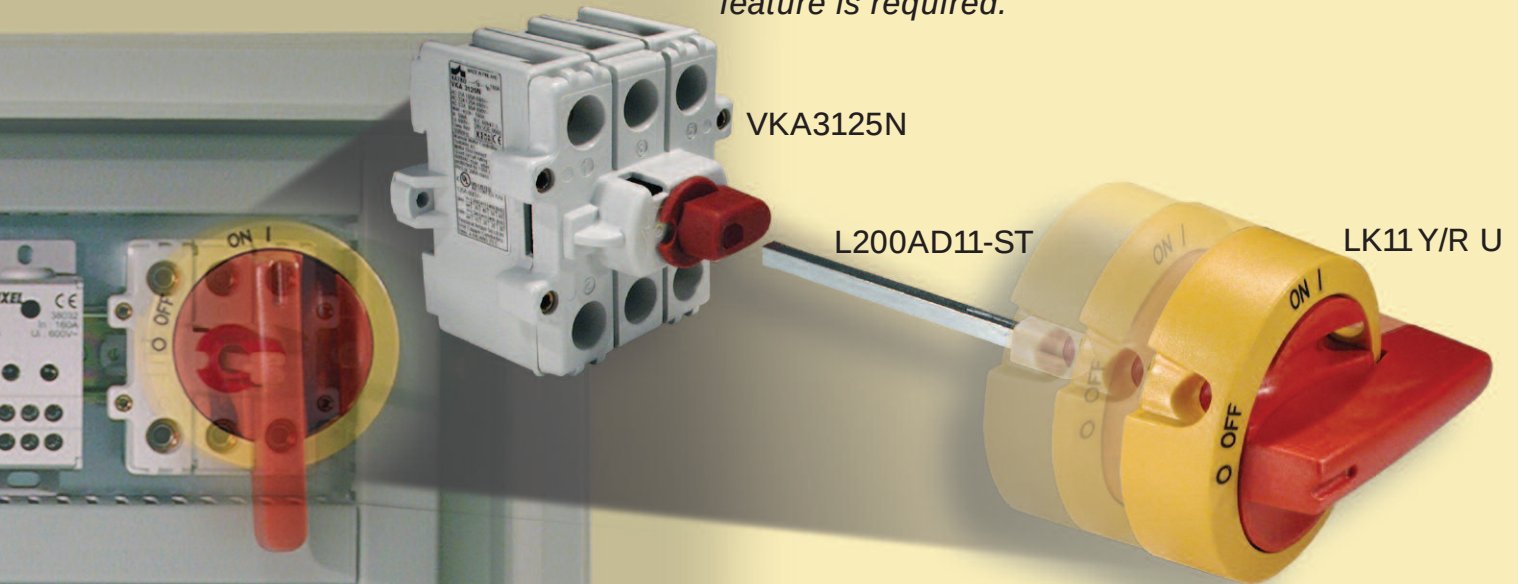


*Altech is a leading supplier  
of circuit protection devices  
and terminal blocks.*

# Application Examples

## Extended Handle Motor Disconnect Switch

*Used when the door interlocking  
feature is required.*



## Direct Handle Motor Disconnect Switch with Door Mounting Kit

*Mounted on the door or on  
the side of a panel.*



The KUE series only requires an additional cover plate (see below) which makes the switch IP20 touch proof.



| Catalog Number          | KUE325  | KUE340  | KUE363  |
|-------------------------|---------|---------|---------|
| No. of Poles            | 3       | 3       | 3       |
| General Purpose Current | 25A     | 40A     | 60A     |
| Maximum Voltage         | 600V AC | 600V AC | 600V AC |
| Motor FLA @ 480V AC     | 17.5A   | 28A     | 34A     |
| Motor FLA @ 600V AC     | 11A     | 18A     | 27A     |

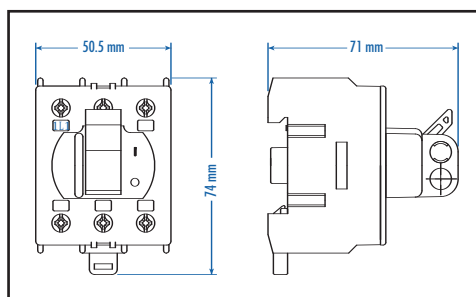
| Horsepower Rating /HP | 1 Phase | 3 Phase | 1 Phase | 3 Phase | 1 Phase | 3 Phase |
|-----------------------|---------|---------|---------|---------|---------|---------|
| 110-120V AC           | 1       | 2       | 2       | 3       | 3       | 5       |
| 200V AC               | 2       | 5       | 3       | 7.5     | 5       | 10      |
| 208V AC               | 2       | 5       | 3       | 7.5     | 5       | 10      |
| 220-240V AC           | 3       | 7.5     | 5       | 10      | 5       | 10      |
| 265V AC               | 3       | 7.5     | 5       | 10      | 5       | 10      |
| 277V AC               | 3       | 7.5     | 5       | 10      | 7.5     | 10      |
| 380-415V AC           | 5       | 10      | 7.5     | 15      | 10      | 20      |
| 440-480V AC           | 7.5     | 15      | 10      | 20      | 15      | 25      |
| 550-600V AC           | 5       | 10      | 7.5     | 15      | 15      | 25      |

| Short Circuit Withstand Rating at 600 V with Max. Fuse Size/Class: | 10kA | 10kA | 10kA              |
|--------------------------------------------------------------------|------|------|-------------------|
| K5                                                                 | 50A  | 50A  | 60A               |
| RK5                                                                | 50A  | 50A  | 60A (80A@480V AC) |
| RK1                                                                | 80A  | 80A  | 100A              |
| J                                                                  | 80A  | 80A  | 100A              |

| Terminal Size Acceptability<br>(Cu Conductors only, 75°C) | 14-8AWG    | 14-8AWG    | 12-4AWG    |
|-----------------------------------------------------------|------------|------------|------------|
| Terminal Torque                                           | 16 lb. in. | 16 lb. in. | 16 lb. in. |

## Dimensions

(to convert to inches  
multiply by 0.03937)



| Weight | 0.172Kg (0.379lb.) | 0.172Kg (0.379lb.) | 0.172Kg (0.379lb.) |
|--------|--------------------|--------------------|--------------------|
|--------|--------------------|--------------------|--------------------|

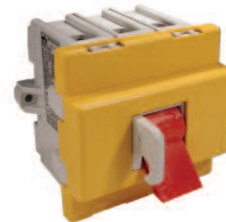
## Suitable Accessories

### Cover Plate



| Cat. No. | K/KUE       | K/KUEY      | R/KUE    | R/KUEY   |
|----------|-------------|-------------|----------|----------|
| Color    | Grey        | Yellow      | Grey     | Yellow   |
| Shape    | Rectangular | Rectangular | Circular | Circular |

The EVA series  
includes a cover plate.



## Catalog Number

White Cover/ White Handle  
Yellow Cover/ Red Handle

|                         |                    |                     |                     |                     |
|-------------------------|--------------------|---------------------|---------------------|---------------------|
|                         | EVA380 + K/EVA     | EVA3100 + K/EVA     | EVA3125 + K/EVA     | EVA3160 + K/EVA     |
|                         | EVA380 + K/EVA Y/R | EVA3100 + K/EVA Y/R | EVA3125 + K/EVA Y/R | EVA3160 + K/EVA Y/R |
| No. of Poles            | 3                  | 3                   | 3                   | 3                   |
| General Purpose Current | 80A                | 100A                | 125A                | 150A                |
| Maximum Voltage         | 600V AC            | 600V AC             | 600V AC             | 600V AC             |
| Motor FLA @ 480V AC     | —                  | —                   | —                   | —                   |
| Motor FLA @ 600V AC     | 47A                | 54A                 | 68A                 | 83A                 |

## Horsepower Rating /HP

|             | 1 Phase | 3 Phase | 1 Phase | 3 Phase | 1 Phase | 3 Phase | 1 Phase | 3 Phase |
|-------------|---------|---------|---------|---------|---------|---------|---------|---------|
| 110-120V AC | 3       | 7.5     | 3       | 7.5     | 5       | 10      | 7.5     | 10      |
| 200V AC     | 7.5     | 10      | 7.5     | 15      | 10      | 20      | 10      | 25      |
| 208V AC     | 7.5     | 15      | 7.5     | 15      | 10      | 20      | 10      | 25      |
| 220-240V AC | 7.5     | 15      | 10      | 20      | 15      | 25      | 15      | 30      |
| 265V AC     | 10      | 20      | 10      | 20      | 15      | 25      | 20      | 30      |
| 277V AC     | 10      | 20      | 10      | 20      | 15      | 30      | 20      | 30      |
| 380-415V AC | 15      | 25      | 15      | 30      | 20      | 40      | 25      | 50      |
| 440-480V AC | 20      | 30      | 20      | 40      | 25      | 50      | 30      | 60      |
| 550-600V AC | 25      | 40      | 30      | 50      | 30      | 60      | 40      | 75      |

## Short Circuit Withstand Rating at 600 V with Max. Fuse Size/Class:

|     |      |      |      |      |
|-----|------|------|------|------|
|     | 10kA | 10kA | 10kA | 10kA |
| K5  | 150A | 150A | 150A | 150A |
| RK5 | 150A | 150A | 150A | 150A |
| RK1 | —    | —    | —    | —    |
| J   | 200A | 200A | 200A | 200A |

## Terminal Size

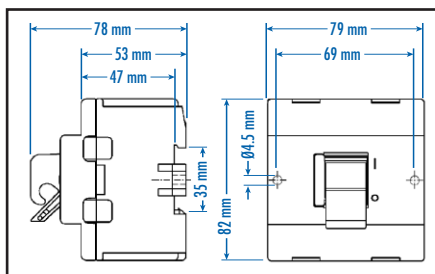
### Acceptability

(Cu Conductors only, 75°C)

|                 |            |            |            |            |
|-----------------|------------|------------|------------|------------|
|                 | 4-1/0AWG   | 4-1/0AWG   | 4-1/0AWG   | 4-1/0AWG   |
| Terminal Torque | 50 lb. in. | 50 lb. in. | 50 lb. in. | 50 lb. in. |

## Dimensions

(to convert to inches  
multiply by 0.03937)



|        |                             |                             |                             |                             |
|--------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Weight | 0.480Kg (1.058lb.) (3 pole) | 0.480Kg (1.058lb.) (3 pole) | 0.480Kg (1.058lb.) (3 pole) | 0.480Kg (1.058lb.) (3 pole) |
|--------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|

## Enclosed Motor Disconnect Switch



These enclosed switches can be used locally at the motor.



### Catalog Number

Black Handle

Yellow/ Red Handle

|                         | KEM325UL<br>KEM325UL Y/R | KEM340UL<br>KEM340UL Y/R | KEM360UL<br>KEM360UL Y/R | KEM380UL<br>KEM380UL Y/R |
|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| No. of Poles            | 3*                       | 3*                       | 3*                       | 3*                       |
| General Purpose Current | 25A                      | 40A                      | 60A                      | 80A                      |
| Maximum Voltage         | 600V AC                  | 600V AC                  | 600V AC                  | 600V AC                  |
| Motor FLA @ 480V AC     | 17.5A                    | 28A                      | 34A                      | —                        |
| Motor FLA @ 600V AC     | 11A                      | 18A                      | 27A                      | 47A                      |

### Horsepower Rating /HP

|             | 1 Phase | 3 Phase | 1 Phase | 3 Phase | 1 Phase | 3 Phase | 1 Phase | 3 Phase |
|-------------|---------|---------|---------|---------|---------|---------|---------|---------|
| 110-120V AC | 1       | 2       | 2       | 3       | 3       | 5       | 3       | 7.5     |
| 200V AC     | 2       | 5       | 3       | 7.5     | 5       | 10      | 7.5     | 10      |
| 208V AC     | 2       | 5       | 3       | 7.5     | 5       | 10      | 7.5     | 15      |
| 220-240V AC | 3       | 7.5     | 5       | 10      | 5       | 10      | 7.5     | 15      |
| 265V AC     | 3       | 7.5     | 5       | 10      | 5       | 10      | 10      | 20      |
| 277V AC     | 3       | 7.5     | 5       | 10      | 7.5     | 10      | 10      | 20      |
| 380-415V AC | 5       | 10      | 7.5     | 15      | 10      | 20      | 15      | 25      |
| 440-480V AC | 7.5     | 15      | 10      | 20      | 15      | 25      | 20      | 30      |
| 550-600V AC | 5       | 10      | 7.5     | 15      | 15      | 25      | 25      | 40      |

### Short Circuit Withstand Rating at 600 V with Max. Fuse Size/Class:

|     | 10kA | 10kA | 10kA              | 10kA |
|-----|------|------|-------------------|------|
| K5  | 50A  | 50A  | 60A               | 150A |
| RK5 | 50A  | 50A  | 60A (80A@480V AC) | 150A |
| RK1 | 80A  | 80A  | 100A              | —    |
| J   | 80A  | 80A  | 100A              | 200A |

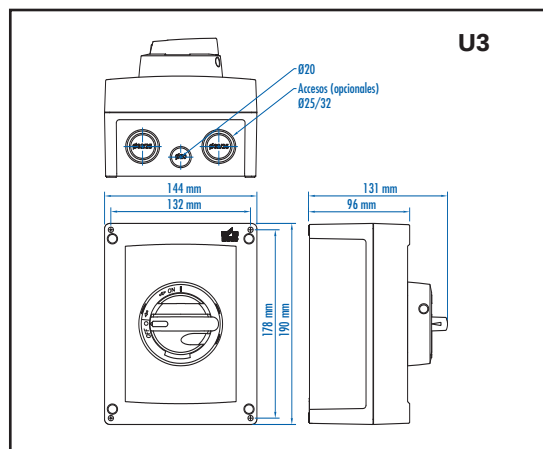
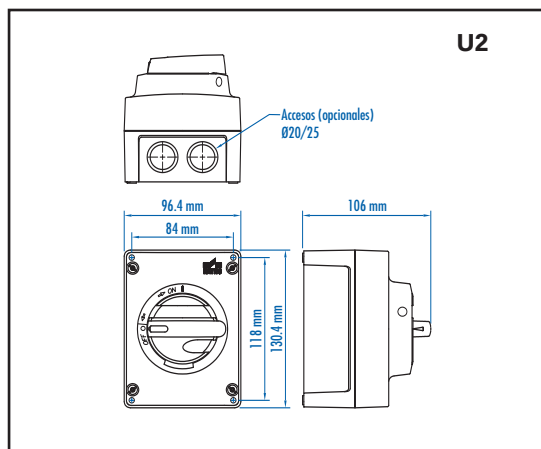
### Terminal Size Acceptability

(Cu Conductors only, 75°C)

|                      | 14-8AWG      | 14-8AWG      | 12-4AWG      | 4-1/0AWG     |
|----------------------|--------------|--------------|--------------|--------------|
| Terminal Torque      | 16 lb. in.   | 16 lb. in.   | 16 lb. in.   | 50 lb. in.   |
| Environmental Rating | NEMA Type 4X | NEMA Type 4X | NEMA Type 4X | NEMA Type 4X |
| Enclosure Type Used  | U2           | U3           | U3           | U3           |

### Dimensions

(to convert to inches multiply by 0.03937)



| Weight | 0.49kg (108 lb.) | 0.72kg (1.587 lb.) | 0.773kg (1.698 lb.) | 1.021kg (2.249 lb.) |
|--------|------------------|--------------------|---------------------|---------------------|
|--------|------------------|--------------------|---------------------|---------------------|

### Suitable Accessories

| Auxiliary Contacts | KU1V, KU2.V | KU1V, KU2.V | KU1V, KU2.V | VKA1V, VKA2.V |
|--------------------|-------------|-------------|-------------|---------------|
|--------------------|-------------|-------------|-------------|---------------|

\*Also available in 4 pole models. Contact Altech for part numbers.



KEM3100L  
KEM3100L Y/R

3\*

100A

600V AC

54A

| 1 Phase | 3 Phase |
|---------|---------|
| 3       | 7.5     |
| 7.5     | 15      |
| 7.5     | 15      |
| 10      | 20      |
| 10      | 20      |
| 10      | 20      |
| 15      | 30      |
| 20      | 40      |
| 30      | 50      |

10kA

150A

150A

—

200A

4-1/0AWG

50 lb. in.  
NEMA Type 4X  
MF10



KEM3125L  
KEM3125L Y/R

3\*

125A

600V AC

68A

| 1 Phase | 3 Phase |
|---------|---------|
| 5       | 10      |
| 10      | 20      |
| 10      | 20      |
| 15      | 25      |
| 15      | 25      |
| 15      | 30      |
| 20      | 40      |
| 30      | 50      |
| 30      | 60      |

10kA

150A

150A

—

200A

4-1/0AWG

50 lb. in.  
NEMA Type 4X  
MF10



KEM3150L  
KEM3150L Y/R

3\*

150A

600V AC

83A

| 1 Phase | 3 Phase |
|---------|---------|
| 7.5     | 10      |
| 10      | 25      |
| 10      | 25      |
| 15      | 30      |
| 20      | 30      |
| 20      | 30      |
| 25      | 50      |
| 30      | 60      |
| 40      | 75      |

10kA

150A

150A

—

200A

4-1/0AWG

50 lb. in.  
NEMA Type 4X  
MF11UL

## FUSED



KKVM332, KKVM332CC  
KKVM332 Y/R, KKVM332CC Y/R

3

30A

600V AC

| Cat. No.         | Fuse Type     |
|------------------|---------------|
| KKVM 332 (Y/R)   | 10x38, Midget |
| KKVM 332CC (Y/R) | Class CC      |

10kA

50A

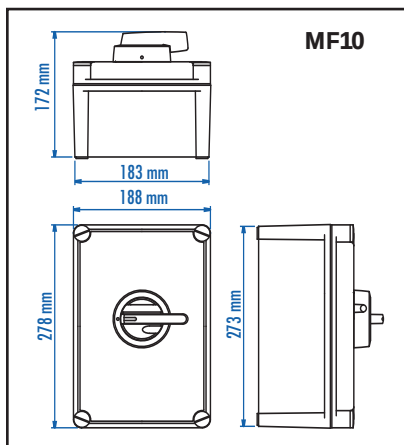
50A

80A

80A

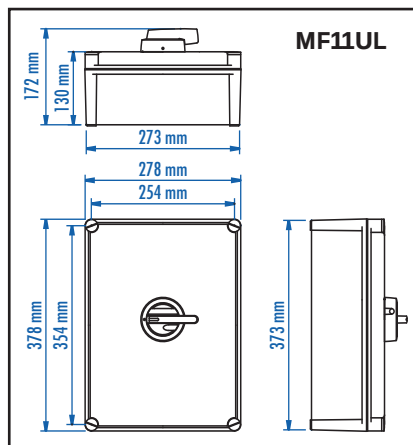
14-8AWG

16 lb. in.  
NEMA Type 4X  
U3



MF10

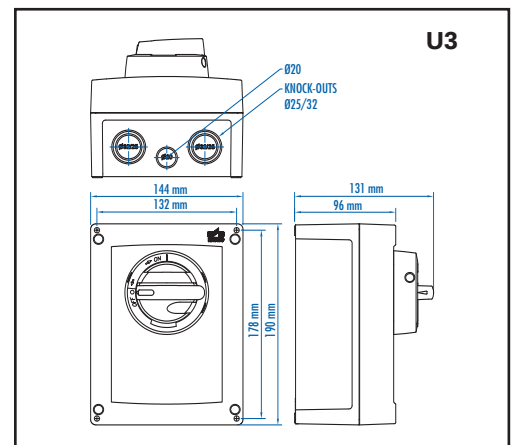
19051kg (4.2 lb.)



MF11UL

19051kg (4.2 lb.)

2.8351kg (6.25 lb.)



U3

0.998kg (2.2 lb.)

VKA1V, VKA2.V

VKA1V, VKA2.V

VKA1V, VKA2.V

KU1V, KU2.V

# Stainless Steel Enclosed Motor Disconnect Switch



These enclosures are ideal where chemicals are used for cleaning and maintenance such as food processing plants and breweries. Mining is another application area. Their stainless steel construction is extremely resistant to corrosion, and the enclosure is also rated to IP66.



## Catalog Number

Black Handle

Yellow/ Red Handle

|                         |
|-------------------------|
| No. of Poles            |
| General Purpose Current |
| Maximum Voltage         |
| Motor FLA @ 480V AC     |
| Motor FLA @ 600V AC     |

KER325UL  
KER325UL Y/R

|         |
|---------|
| 3*      |
| 25A     |
| 600V AC |
| 17.5A   |
| 11A     |

KER340UL  
KER340UL Y/R

|         |
|---------|
| 3*      |
| 40A     |
| 600V AC |
| 28A     |
| 18A     |

## Horsepower Rating /HP

|             |
|-------------|
| 110-120V AC |
| 200V AC     |
| 208V AC     |
| 220-240V AC |
| 265V AC     |
| 277V AC     |
| 380-415V AC |
| 440-480V AC |
| 550-600V AC |

| 1 Phase | 3 Phase |
|---------|---------|
| 1       | 2       |
| 2       | 5       |
| 2       | 5       |
| 3       | 7.5     |
| 3       | 7.5     |
| 3       | 7.5     |
| 5       | 10      |
| 7.5     | 15      |
| 5       | 10      |

| 1 Phase | 3 Phase |
|---------|---------|
| 2       | 3       |
| 3       | 7.5     |
| 3       | 7.5     |
| 5       | 10      |
| 5       | 10      |
| 5       | 10      |
| 7.5     | 15      |
| 10      | 20      |
| 7.5     | 15      |

## Short Circuit Withstand Rating at 600 V with Max. Fuse Size/Class:

|     |
|-----|
| K5  |
| RK5 |
| RK1 |
| J   |

|      |
|------|
| 10kA |
| 50A  |
| 50A  |
| 80A  |
| 80A  |

|      |
|------|
| 10kA |
| 50A  |
| 50A  |
| 80A  |
| 80A  |

## Terminal Size Acceptability

(Cu Conductors only, 75°C)

|                      |
|----------------------|
| Terminal Torque      |
| Environmental Rating |
| Enclosure Type Used  |

14-8AWG

14-8AWG

16 lb. in.

16 lb. in.

NEMA Type 4X

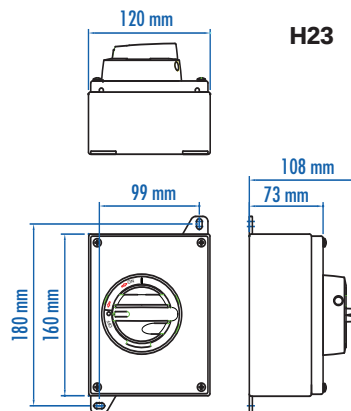
NEMA Type 4X

H23

H23

## Dimensions

(to convert to inches multiply by 0.03937)



## Weight

12kg (2.646 lb)

12kg (2.646 lb)

## Suitable Accessories

### Auxiliary Contacts

KU1V, KU2.V

KU1V, KU2.V

\*Also available in 4 pole models. Contact Altech for part numbers.



KER360UL  
KER360UL Y/R

3\*

60A

600V AC

34A

27A

| 1 Phase | 3 Phase |
|---------|---------|
| 3       | 5       |
| 5       | 10      |
| 5       | 10      |
| 5       | 10      |
| 5       | 10      |
| 7.5     | 10      |
| 10      | 20      |
| 15      | 25      |
| 15      | 25      |

10kA

60A

60A (80A@480V AC)

100A

100A

12-4AWG

16 lb. in.

NEMA Type 4X

H32

KER380UL  
KER380UL Y/R

3\*

80A

600V AC

—

47A

| 1 Phase | 3 Phase |
|---------|---------|
| 3       | 7.5     |
| 7.5     | 10      |
| 7.5     | 15      |
| 7.5     | 15      |
| 10      | 20      |
| 10      | 20      |
| 15      | 25      |
| 20      | 30      |
| 25      | 40      |

10kA

150A

150A

—

200A

4-1/0AWG

50 lb. in.

NEMA Type 4X

H32

KER3100UL  
KER3100UL Y/R

3\*

100A

600V AC

—

54A

| 1 Phase | 3 Phase |
|---------|---------|
| 3       | 7.5     |
| 7.5     | 15      |
| 7.5     | 15      |
| 10      | 20      |
| 10      | 20      |
| 10      | 20      |
| 15      | 30      |
| 20      | 40      |
| 30      | 50      |

10kA

150A

150A

—

200A

4-1/0AWG

50 lb. in.

NEMA Type 4X

H32

KER3125UL  
KER3125UL Y/R

3\*

125A

600V AC

—

68A

| 1 Phase | 3 Phase |
|---------|---------|
| 5       | 10      |
| 10      | 20      |
| 10      | 20      |
| 15      | 25      |
| 15      | 25      |
| 15      | 30      |
| 20      | 40      |
| 30      | 50      |
| 30      | 60      |

10kA

150A

150A

—

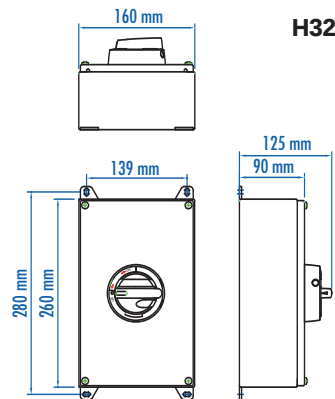
200A

4-1/0AWG

50 lb. in.

NEMA Type 4X

H32



**H32**

2.3kg (5.071 lb..)

1021kg (2.249 lb.)

19051kg (4.2 lb.)

19051kg (4.2 lb.)

KU1V, KU2.V

VKA1V, VKA2.V

VKA1V, VKA2.V

VKA1V, VKA2.V

## Motor Disconnect Switches Index

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| EVA3125 + K/EVA     | 11   | KKVM322         | 13   |
| EVA3125 + K/EVA Y/R | 11   | KKVM322 Y/R     | 13   |
| EVA3160 + K/EVA     | 11   | KKVM322CC       | 13   |
| EVA3160 + K/EVA Y/R | 11   | KKVM322CC Y/R   | 13   |
| EVA380 + K/EVA      | 11   | KU1.V           | 6    |
| EVA380 + K/EVA Y/R  | 11   | KU2.V           | 6    |
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| K/KU3P Y/R          | 7    | KU340N          | 4    |
| K/KU4P              | 7    | KU363N          | 4    |
| K/KU4P Y/R          | 7    | KUE325          | 10   |
| K/KUE               | 10   | KUE340          | 10   |
| K/KUE Y             | 10   | KUE363          | 10   |
| K/VKA3-4P           | 7    | KV 10x38        | 6    |
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| KEM3125L Y/R        | 13   | LK10 UL         | 6    |
| KEM3150L            | 13   | LK10 Y/R UL     | 6    |
| KEM3150L Y/R        | 13   | LK11 U          | 6    |
| KEM325UL            | 12   | LK11 Y/R U      | 6    |
| KEM325UL Y/R        | 12   | OKA 0.V         | 7    |
| KEM340UL            | 12   | OKA 0.V Y/R     | 7    |
| KEM340UL Y/R        | 12   | OKA/KU LK10     | 7    |
| KEM360UL            | 12   | OKA/KU LK10 Y/R | 7    |
| KEM360UL Y/R        | 12   | OKA/V LK11      | 7    |
| KEM380UL            | 12   | OKA/V LK11 Y/R  | 7    |
| KEM380UL Y/R        | 12   | R/KUE           | 10   |
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| KER325UL Y/R        | 14   | RKA 3P          | 7    |
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| KER340UL Y/R        | 14   | VKA1.V          | 6    |
| KER360UL            | 15   | VKA2.V          | 6    |
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| KER3100UL           | 15   | VKA380N         | 5    |
| KER3100UL Y/R       | 15   |                 |      |

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Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: [ocean@oceanchips.ru](mailto:ocean@oceanchips.ru)

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А