Altech Corp.®

Certified System ™
ISO 9001
QMI-SAI Global

Serving the Automation & Control Industry since 1984

Motor Disconnect Switches

Altech Corp.®

Since 1984, Altech Corporation has grown to become a leading supplier of automation and industrial control components. Headquartered in Flemington, NJ, Altech has an experienced staff of engineering, manufacturing and sales personnel to provide the highest quality products with superior service. This is the Altech Commitment!

With experienced Product Engineers and Customer Service personnel, Altech provides solutions to your most pressing application challenges. All with one thought in mind - ***to ensure that we solve your problem the first time!***

Altech's Commitment

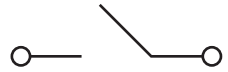
Altech's Automation and Control components meet applicable national and international standards, such as UL, NEC, CSA, IEC and VDE. Altech provides these products with superior customer service and delivery through a ISO 9001 Quality Management system, which stresses continuous process improvement. We perform these services with honesty and integrity. All Altech employees are trained in this Quality Management System and are dedicated to achieve these goals. Altech's quality system has been ISO approved since 1999.

MOTOR DISCONNECT SWITCHES

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/600V
- General Use Rating - 16 A to 150 A/600V
- 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

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



with Disconnecting Means

c UL US LISTED

E185115

AC Motor Across-The-Line
AC General Use

EXTENDED / DIRECT HANDLE MOTOR DISCONNECT SWITCH

KU/VKA switches 4-5

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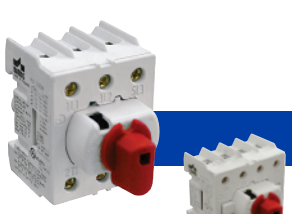
Extended/Direct Handle Motor Disconnect Switch

The KU...N series can be used with extended and direct handles (see page 6-11 for details).



4 Pole

NEW

Catalog Number	KU316N	KU325N	KU340N	KU363N	KU380N
No. of Poles	3 (4 pole - KU416N)	3 (4 pole - KU425N)	3 (4 pole - KU440N)	3 (4 pole - KU463N)	3 (4 pole - KU480N)
General Purpose Current	16 A	25 A	40 A	60 A	80 A
Maximum Voltage	600V AC	600V AC	600V AC	600V AC	600V AC
Motor FLA @ 480V AC	14 A	21 A	27 A	34 A	40 A
Motor FLA @ 600V AC	9 A	11 A	17 A	27 A	32 A

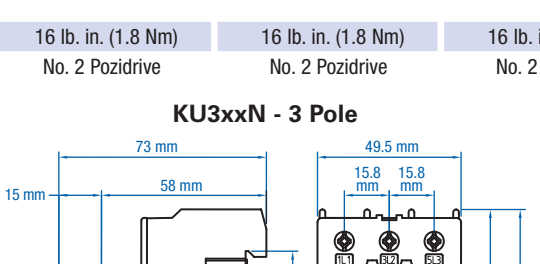
Horsepower Rating/HP	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase	3 Phase
110-120V AC	1	2	1.5	3	2	3	3	5	5	7.5
200V AC	1.5	3	2	5	3	7.5	5	10	7.5	10
208V AC	1.5	3	2	5	3	7.5	5	10	7.5	10
220-240V AC	2	3	3	5	5	7.5	7.5	10	10	15
265V AC	–	5	–	7.5	–	10	–	10	–	15
277V AC	–	5	–	7.5	–	10	–	10	–	15
380-415V AC	–	7.5	–	10	–	15	–	20	–	25
440-480V AC	–	10	–	15	–	20	–	25	–	30
550-600V AC	–	7.5	–	10	–	15	–	25	–	30

Short Circuit Withstand Rating at 600 V with Max. Fuse Size/Class:	10 kA	10 kA	10 kA	10 kA	10 kA
K5	30 A	30 A	30 A	30 A	30 A
RK5	30 A	30 A	30 A	30 A	30 A
RK1	60 A	60 A	60 A	60 A	60 A
J	80 A	80 A	80 A	100 A	100 A
Terminal Size Acceptability (Cu Conductors only, 75 °C)	14-8 AWG	14-8 AWG	14-8 AWG	12-4 AWG	12-4 AWG
Terminal Torque	16 lb. in. (1.8 Nm)	16 lb. in. (1.8 Nm)	16 lb. in. (1.8 Nm)	16 lb. in. (1.8 Nm)	16 lb. in. (1.8 Nm)
Screw Head Type	No. 2 Pozidrive	No. 2 Pozidrive	No. 2 Pozidrive	No. 2 Pozidrive	No. 2 Pozidrive

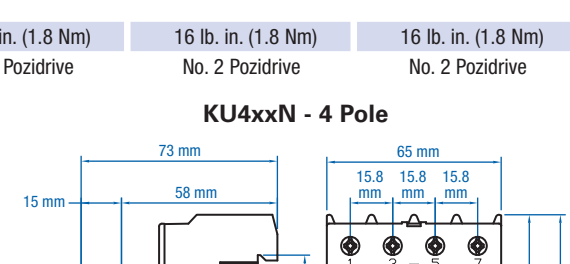
Dimensions

(to convert to inches multiply by 0.03937)

KU3xxN - 3 Pole



KU4xxN - 4 Pole



Weight	0.172 kg (0.379 lb.) (3 pole) 0.215 kg (0.474 lb.) (4 pole)	0.172 kg (0.379 lb.) (3 pole) 0.215 kg (0.474 lb.) (4 pole)	0.172 kg (0.379 lb.) (3 pole) 0.215 kg (0.474 lb.) (4 pole)	0.200 kg (0.441 lb.) (3 pole) 0.245 kg (0.540 lb.) (4 pole)	0.200 kg (0.441 lb.) (3 pole) 0.245 kg (0.540 lb.) (4 pole)

Suitable Accessories

Extended Handle Applications (Door Interlock Mechanism)					
Shaft	L(1,2,3)00AD11-ST	L(1,2,3)00AD11-ST	L(1,2,3)00AD11-ST	L(1,2,3)00AD11-ST	L(1,2,3)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	LK10 (Y/R) UL, LK11 (Y/R) U
Auxiliary Switch	KU1.V, KU2.V	KU1.V, KU2.V	KU1.V, KU2.V	KU1.V, KU2.V	KU1.V, KU2.V
Fuse Holder	—	—	KV 10x38, KV 10x38 CC	—	—
Direct Handle Applications					
Handle for 3 Pole	K/KU3P (Y/R)	K/KU3P (Y/R)	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)	K/KU4P (Y/R)	K/KU4P (Y/R)
Door Mounting Kits	OKA/KU LK10 x; OKA x	OKA/KU LK10 x; OKA x	OKA/KU LK10 x; OKA x	OKA/KU LK10 x; OKA x	OKA/KU LK10 x; OKA x

Extended/Direct Handle Motor Disconnect Switch

The VKA...N series can be used with extended and direct handles (see page 6-11 for details).

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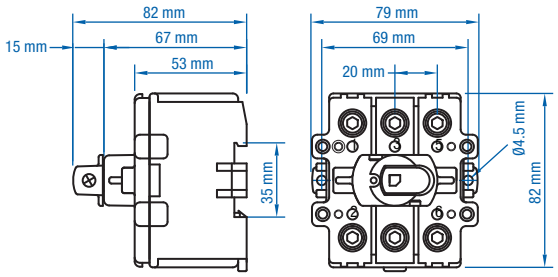
4 Pole

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	80 A		100 A		125 A		150 A	
Maximum Voltage	600V AC		600V AC		600V AC		600V AC	
Motor FLA @ 480V AC	–		–		–		–	
Motor FLA @ 600V AC	47 A		54 A		68 A		83 A	
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:	10 kA		10 kA		10 kA		10 kA	
K5	150 A		150 A		150 A		150 A	
RK5	150 A		150 A		150 A		150 A	
RK1	–		–		–		–	
J	200 A		200 A		200 A		200 A	
Terminal Size Acceptability (Cu Conductors only, 75 °C)	8-1/0 AWG		8-1/0 AWG		8-1/0 AWG		8-1/0 AWG	
Terminal Torque	50 lb. in. (5.6 Nm)		50 lb. in. (5.6 Nm)		50 lb. in. (5.6 Nm)		50 lb. in. (5.6 Nm)	
Screw Head Type	5 mm Allen Key		5 mm Allen Key		5 mm Allen Key		5 mm Allen Key	

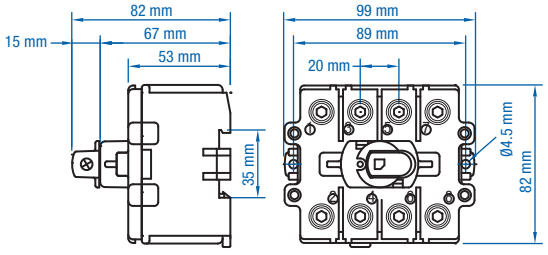
Dimensions

(to convert to inches multiply by 0.03937)

VKA3xxxN - 3 Pole



VKA4xxxN - 4 Pole



Weight	0.480 kg (1.058 lb.) (3 pole) 0.620 kg (1.367 lb.) (4 pole)	0.480 kg (1.058 lb.) (3 pole) 0.620 kg (1.367 lb.) (4 pole)	0.480 kg (1.058 lb.) (3 pole) 0.620 kg (1.367 lb.) (4 pole)	0.480 kg (1.058 lb.) (3 pole) 0.620 kg (1.367 lb.) (4 pole)

Suitable Accessories

Extended Handle Applications (Door Interlock Mechanism)				
Shaft	L(1,2.3)00AD11-ST	L(1,2.3)00AD11-ST	L(1,2.3)00AD11-ST	L(1,2.3)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	VKA1.V, VKA2.V	VKA1.V, VKA2.V	VKA1.V, VKA2.V	VKA1.V, VKA2.V
Fuse Holder	–	–	–	–
Direct Handle Applications				
Handle for 3 & 4 Pole	K/VKA3-4P (Y/R)	K/VKA3-4P (Y/R)	K/VKA3-4P (Y/R)	K/VKA3-4P (Y/R)
Door Mounting Kits	OKA/VKA x	OKA/VKA x	OKA/VKA x	OKA/VKA x

Extended Handle Accessories

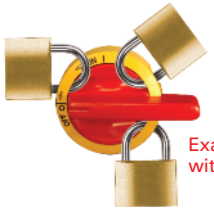
E185115

DOOR INTERLOCK HANDLES

(padlockable with up to three 1/4" padlocks)

LK10 (Y/R) UL:
- *Single hole mounting (22.5 mm)*

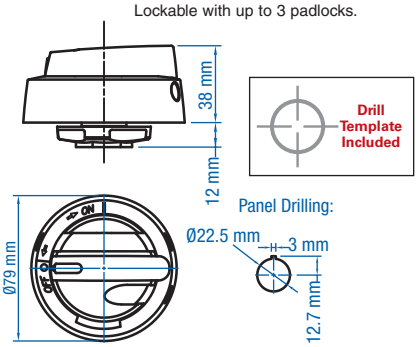
LK11 (Y/R) U:
- *Retention mechanism (only rotates 90° from off to on, keeps handle in off position while cabinet door is open)*



Example of handle with 1/4" padlocks.

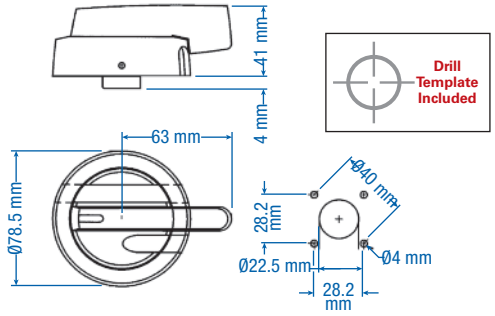
LK10

Lockable with up to 3 padlocks.



LK11

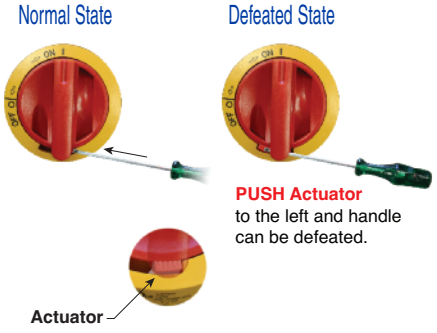
Lockable with up to 3 padlocks.



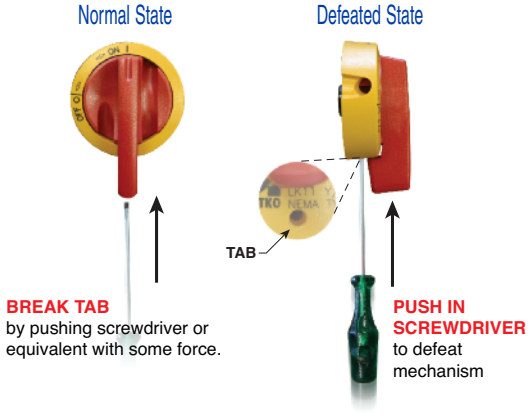
Cat. No.	LK10 UL	LK10 Y/R UL	LK11 U	LK11 Y/R U
Environmental Rating (UL)	UL Type 4X	UL Type 4X	UL Type 4X	UL Type 4X
(IEC)	IP66	IP66	IP67	IP67
Color	Black	Yellow/Red	Black	Yellow/Red

DEFEATABLE MECHANISM - OPERATING INSTRUCTIONS

The defeater mechanism allows a screwdriver to be inserted to release the lock and open the door with the mechanism in the ON position.



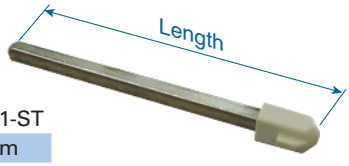
Warning: The defeater mechanism should only be used by a trained professional.



Note:
After tab is broken, NEMA Type 4X rating will be lost.

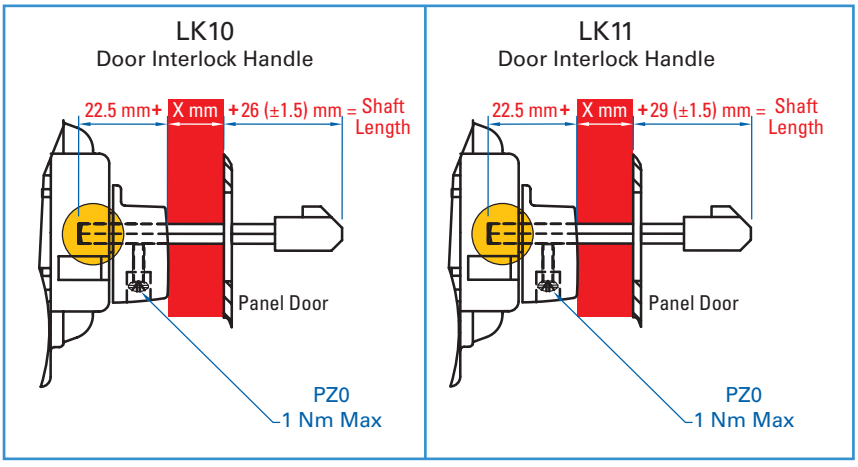
DOOR INTERLOCK SHAFT

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

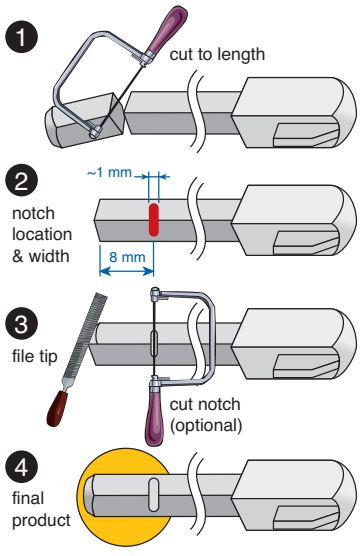


Cat. No.	L100 AD11-ST	L200 AD11-ST	L300AD11-ST
Length (L)	100 mm	200 mm	300 mm
Material	Steel	Steel	Steel

SHAFT LENGTH CUTTING GUIDELINE



SHAFT CUTTING RECOMMENDATIONS



Extended Handle Accessories

AUXILIARY SWITCHES

The auxiliary switches are the snap-on type and can be retrofitted. Makes later and breaks earlier than the main contacts.

Cat. No.	KU1.V	KU2.V	VKA1.V	VKA2.V
Electrical Rating	16 A/1/2HP/125-250V AC	16 A/1/2HP/125-250V AC	16 A/1/2HP/125-250V AC	16 A/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

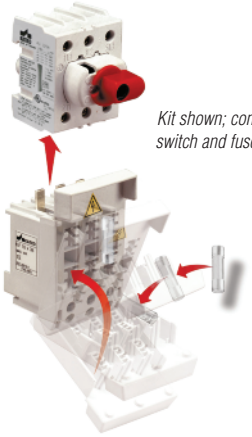
This fuseholder can be retrofitted with the KU340N. Therefore design changes can be incorporated with ease to allow a fusible disconnect.

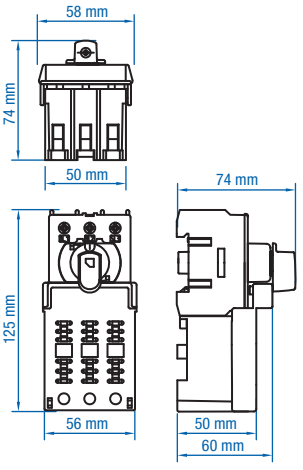
c UL US LISTED
E185115

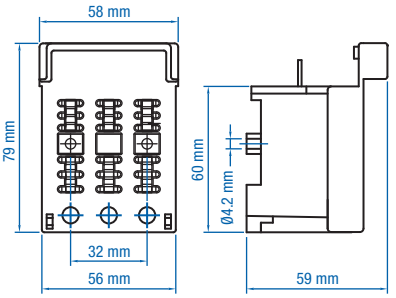
Kit shown; comes with KU340N and fuse holder.

Cat. No.	KKV 332	KKV 332CC	KV 10x38	KV 10x38 CC
Electrical Rating*	30 A/600V AC	30 A/600V AC	30 A/600V AC	30 A/600V AC
Fuse Type	10x38, Midget	Class CC	10x38, Midget	Class CC
For Use With	–	–	KU340N	KU340N
Kit Includes	KV 10x38 / KU340N	KV 10x38 CC / KU340N	–	–

**For more detailed ratings please see pages 4-5.*


Kit shown; comes with switch and fuse holder.



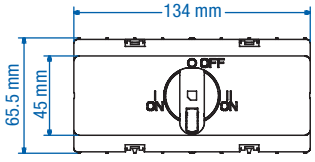


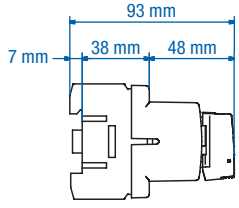
CHANGE-OVER KITS

- For 2 KU switches
- Available with black or yellow/red handle (Y/R)

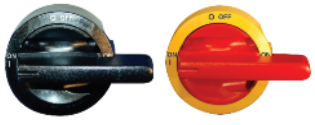
Cat. No.	KU3/4P VV
Color	Black

Cat. No.	KU3/4P VV Y/R
Color	Yellow/Red





Matching Handle

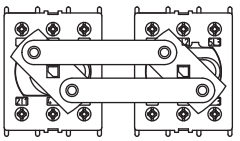


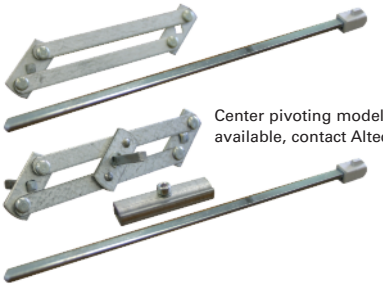
Cat. No.	LK11 1-0-2 U
Color	Black

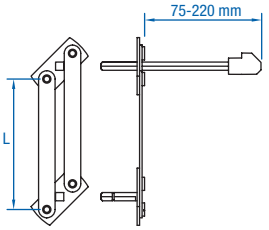
Cat. No.	LK11 1-0-2 Y/R U
Color	Yellow/Red

PARALLEL KITS

- For KU and VKA-switches
- Assembly depth for KU 155-300 mm
- Assembly depth for VKA 164-310 mm
- Includes 200 mm steel shaft




Center pivoting model available, contact Altech.



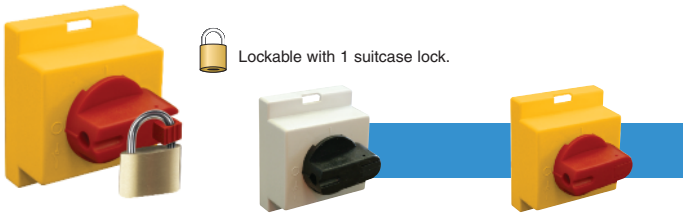
Cat. No.	Length (L)	For use with
RV 66S-ST	66 mm	2x KU 3 pole (3P)
RV 80S-ST	80 mm	2x KU 4P/VKA 3P
RV 104S-ST	104 mm	2x VKA 4P

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

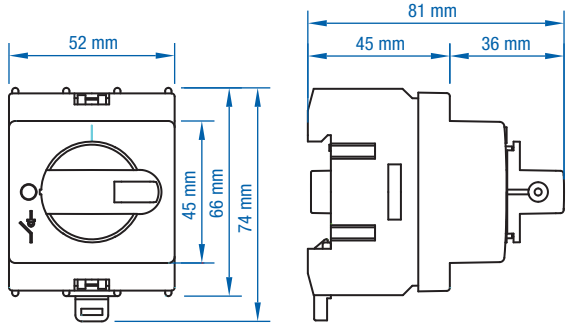
Direct Handle Accessories and Mounting Alternatives

DIRECT HANDLES

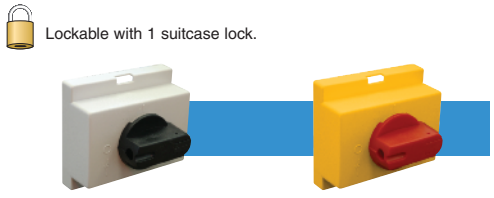
Improved design with metal shaft. Use for all your "inside the panel" applications. 1 suitcase lock location.



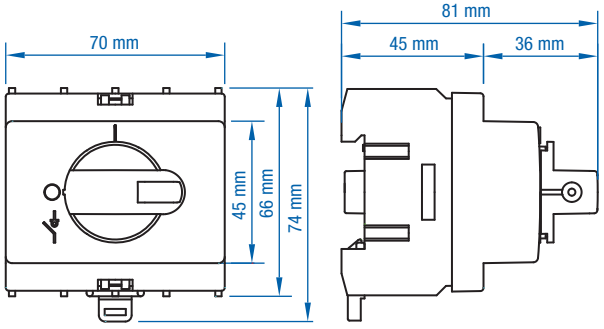
Lockable with 1 suitcase lock.



Cat. No.	K/KU3P	K/KU3PY/R
Color	Black	Yellow/Red
For use with	KU models (3P)	KU models (3P)



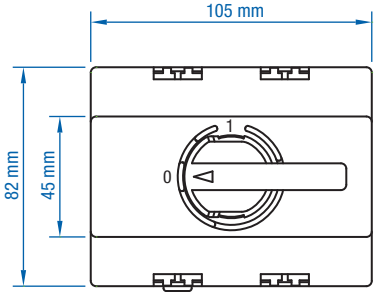
Lockable with 1 suitcase lock.



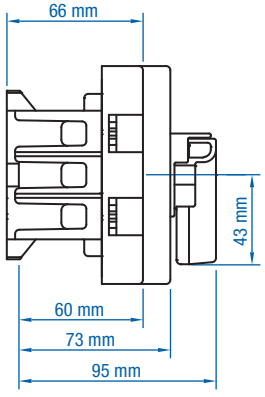
Cat. No.	K/KU4P	K/KU4PY/R
Color	Black	Yellow/Red
For use with	KU models (4P)	KU models (4P)

Lockable with 1 suitcase lock.

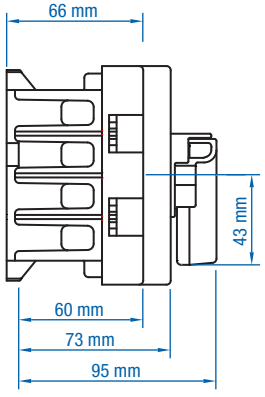
Cat. No.	K/VKA3-4P	K/VKA3-4PY/R
Color	Black	Yellow/Red
For use with	VKA models (3/4P)	VKA models (3/4P)



3 Pole



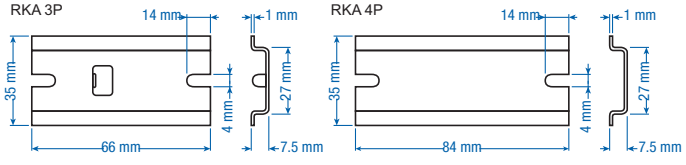
4 Pole



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 (≤M3 or equivalent) flathead screws or change your DIN Rail to the 15mm high version.

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

OKA/KU Door Mounting Kit for KU Switches

Altech Corp.®

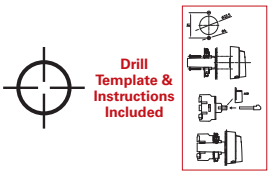
Designed for fast and easy assembly. Kit includes handle, shaft, mounting hardware and drill template; it does not include motor disconnect switch.

Environmental Rating (UL): UL Type 4X
(IEC): IP66

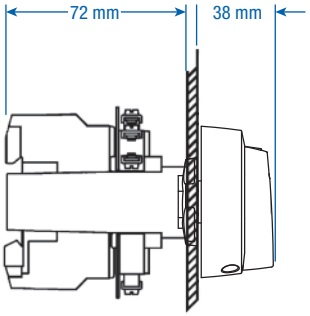
c UL us
E185115

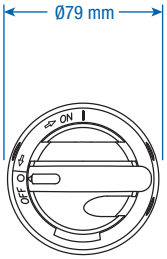
Shown with switch and display plate. (sold separately)

Lockable with up to 3 padlocks.



Drill Template & Instructions Included

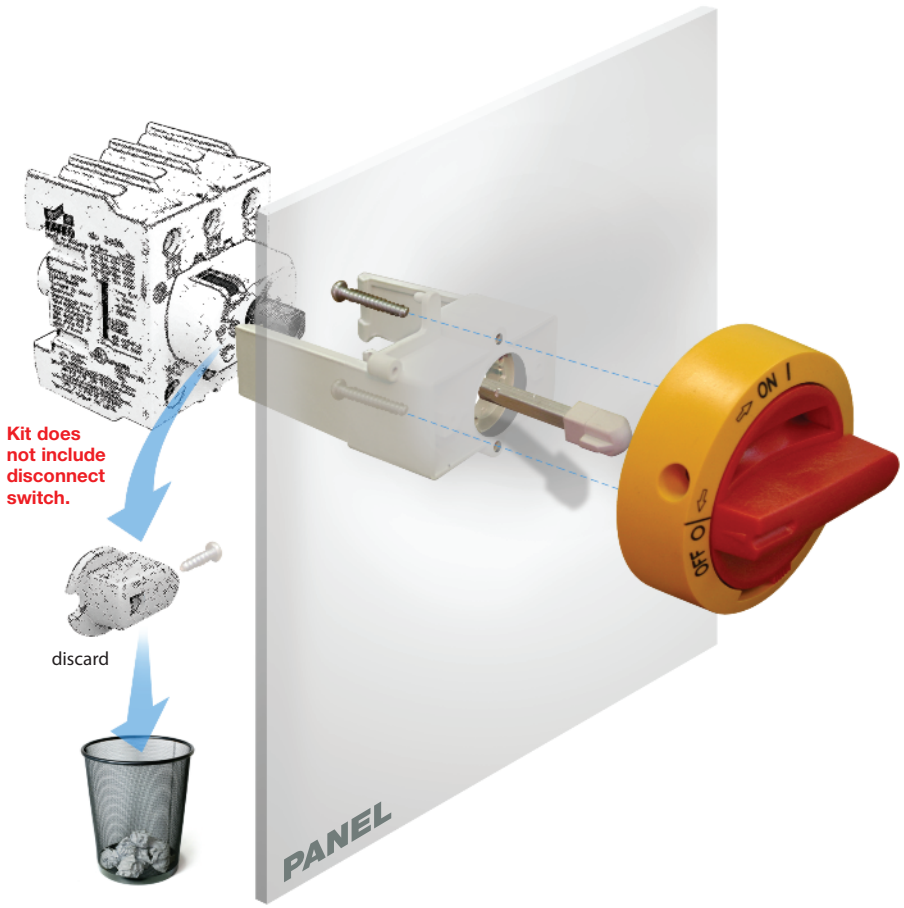




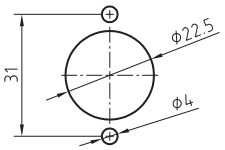
Cat. No. (Black Handle)	Cat. No. (Yellow/Red Handle)	No. of aux. switches	For use with
OKA/KU LK10	OKA/KU LK10 Y/R	0	3 Pole KU switch
OKA/KU LK10 1.V	OKA/KU LK10 1.V Y/R	1	3 Pole KU switch
OKA/KU LK10 2.V	OKA/KU LK10 2.V Y/R	2	3 Pole KU switch
OKA/KU4P LK10	OKA/KU4P LK10 Y/R	0	4 Pole KU switch
OKA/KU4P LK10 1.V	OKA/KU4P LK10 1.V Y/R	1	4 Pole KU switch
OKA/KU4P LK10 2.V	OKA/KU4P LK10 2.V Y/R	2	4 Pole KU switch

Assembly Instructions

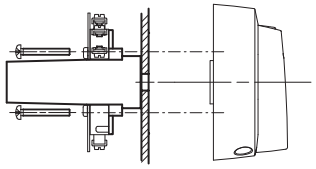
Use the enclosed drill template to prepare the door for door mounting kit assembly. Discard the switch handle on the disconnect switch and follow photo-illustration below.



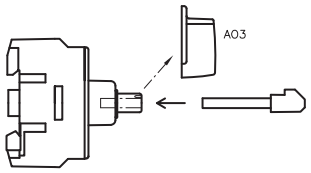
1. Drill the required holes in the door.



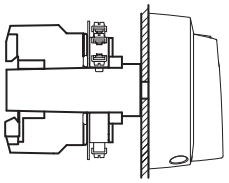
2. Fix the handle and the OKA door mounting kit to the door.



3. Remove position indicator from the switch if applicable. Press the shaft (L=52AD11 mm) into the switch. Connect the wires to the terminals.



4. Turn the switch to OFF-position (0). Push the switch in place until the snap-on grips are firmly clipped on both sides of the switch.



WARNING:
Auxiliary contact may be broken if pushed on switch in ON-position (1).

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

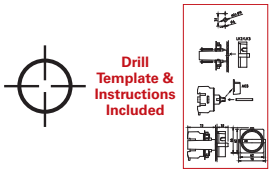
OKA Door Mounting Kit for KU Switches

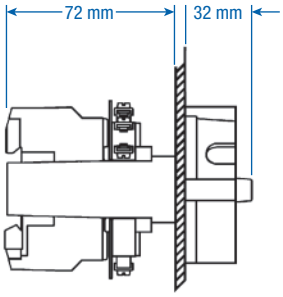
Designed for fast and easy assembly. Kit includes handle, shaft, mounting hardware and drill template; it does not include motor disconnect switch.

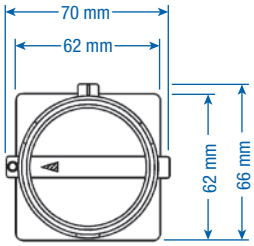
Environmental Rating (IEC): IP65

Shown with switch and display plate. (sold separately)

Lockable with up to 3 padlocks.



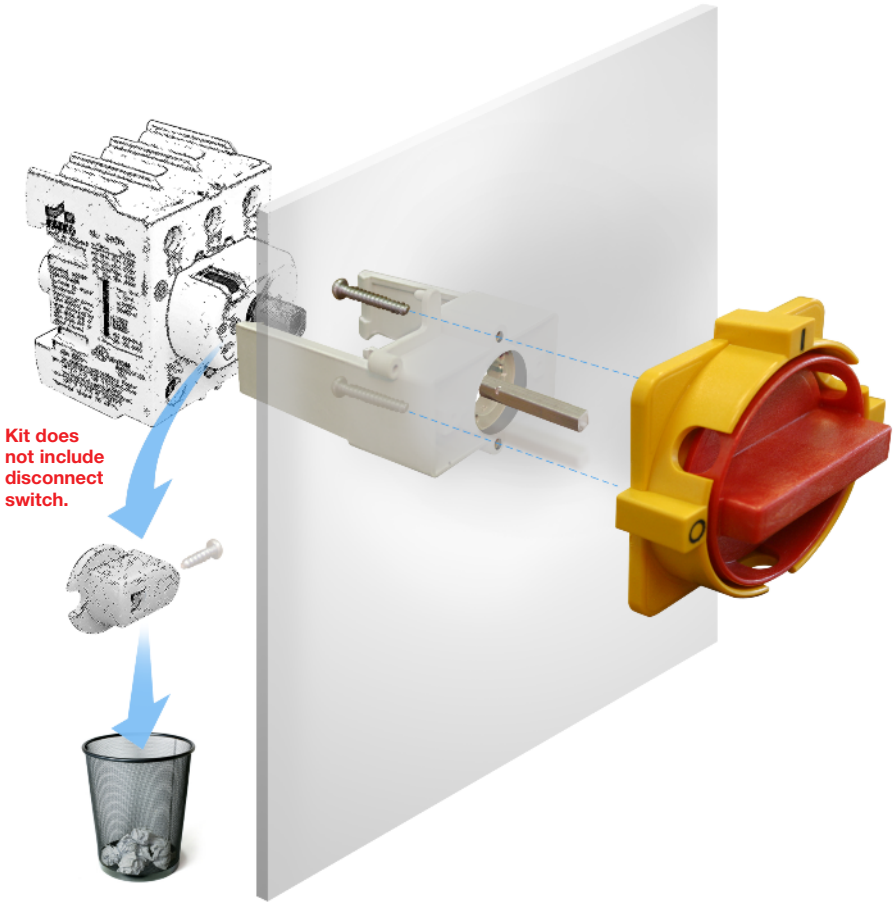




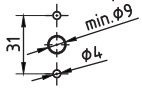
Cat. No. (Black Handle)	Cat. No. (Yellow/Red Handle)	No. of aux. switches	For use with
OKA 0.V	OKA 0.V Y/R	0	3 Pole KU switch
OKA 1.V	OKA 1.V Y/R	1	3 Pole KU switch
OKA 2.V	OKA 2.V Y/R	2	3 Pole KU switch

Assembly Instructions

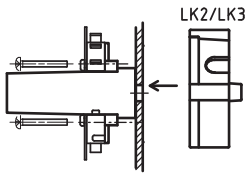
Use the enclosed drill template to prepare the door for door mounting kit assembly. Discard the switch handle on the disconnect switch and follow photo-illustration below.



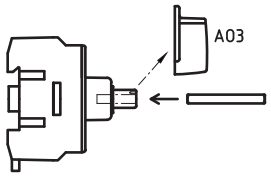
1. Drill required holes in the door/side of panel.



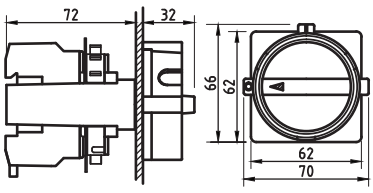
2. Fix the base plate and the OKA door mounting kit to the door.



3. Remove position indicator from the switch if applicable. Press the shaft (L=43 mm) into the switch. Connect the wires to the terminals.



4. Turn the switch to off-position (0). Push the switch in place until the snap-on grips are firmly clipped on both sides of the switch.



WARNING:
Auxiliary contact may be broken if pushed on switch in on-position (1).

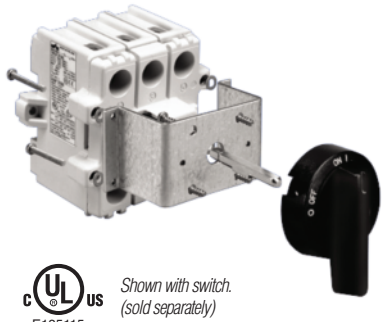
Dimensions *(to convert to inches multiply by 0.03937)*

OKA/VKA Door Mounting Kit for VKA Switches

Altech Corp.®

Designed for fast and easy assembly. Kit includes handle, shaft, mounting hardware and drill template; it does not include motor disconnect switch.

Environmental Rating (UL): UL Type 4X
(IEC): IP66

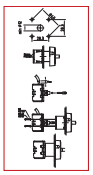


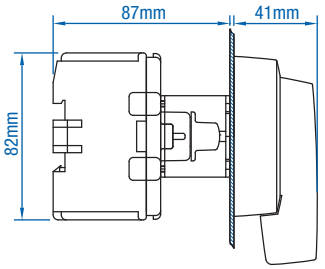
c UL us E185115

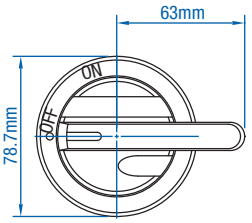
Shown with switch. (sold separately)

Lockable with up to 3 padlocks.

Drill Template & Instructions Included



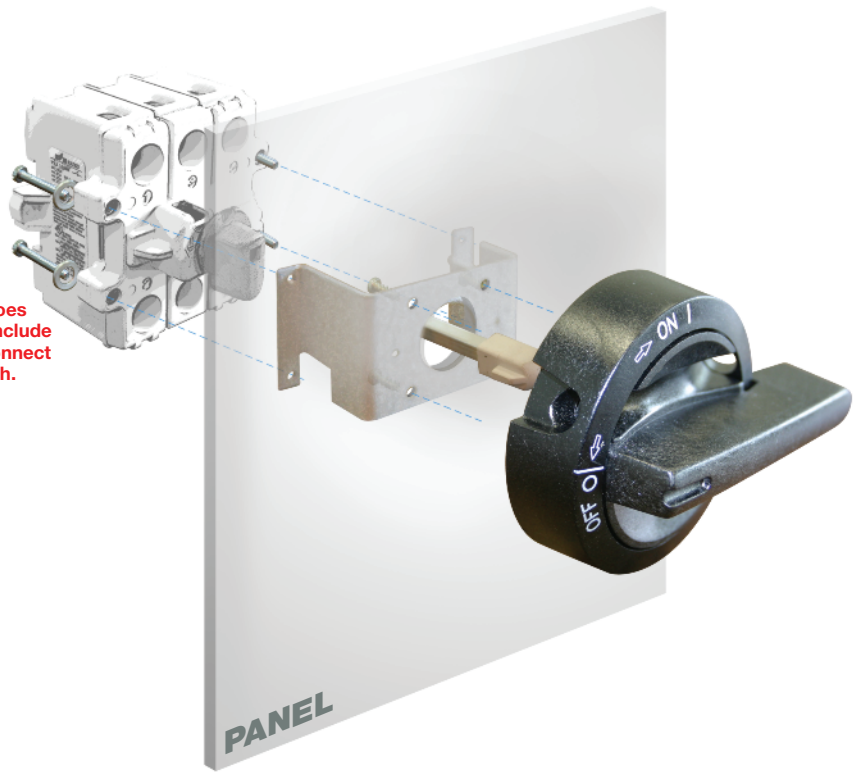




Cat. No. (Black Handle)	Cat. No. (Yellow/Red Handle)	No. of aux. switches	For use with
OKA/VKA 0.V	OKA/VKA 0.V Y/R	0	3 Pole VKA switch
OKA/VKA 1.V	OKA/VKA 1.V Y/R	1	3 Pole VKA switch
OKA/VKA 2.V	OKA/VKA 2.V Y/R	2	3 Pole VKA switch
OKA/VKA4P 0.V	OKA/VKA4P 0.V Y/R	0	4 Pole VKA switch
OKA/VKA4P 1.V	OKA/VKA4P 1.V Y/R	1	4 Pole VKA switch
OKA/VKA4P 2.V	OKA/VKA4P 2.V Y/R	2	4 Pole VKA switch

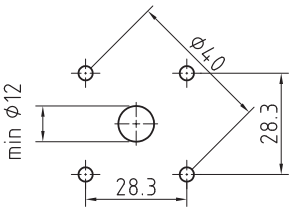
Assembly Instructions

Use the enclosed drill template to prepare the door for door mounting kit assembly. Discard the switch handle on the disconnect switch and follow illustration below.

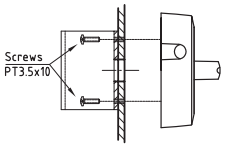


Kit does not include disconnect switch.

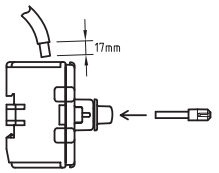
1. Drill the required holes in the door.



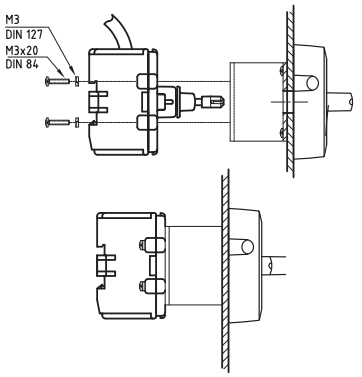
2. Fix the handle LK11 and the OKA door mounting kit to the door.



3. Press the shaft (L=52AD11) into the switch. Connect the wires to the terminals.



4. Fix the VKA–switch to the OKA plate.



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

Toggle Handle Motor Disconnect Switch

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

Lockable with 1 padlock.

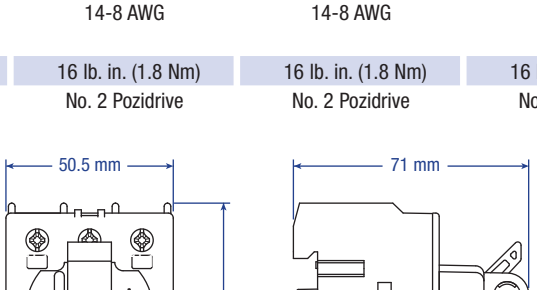
NEW

E185115

Catalog Number	KUE316		KUE325		KUE340		KUE363		KUE380	
No. of Poles	3		3		3		3		3	
General Purpose Current	16 A		25 A		40 A		60 A		80 A	
Maximum Voltage	600V AC		600V AC		600V AC		600V AC		600V AC	
Motor FLA @ 480V AC	14 A		21 A		27 A		34 A		40 A	
Motor FLA @ 600V AC	9A		11A		17 A		27 A		32 A	
Horsepower Rating/HP	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase	3 Phase
110-120V AC	1	2	1.5	3	2	3	3	5	5	7.5
200V AC	1.5	3	2	5	3	7.5	5	10	7.5	10
208V AC	1.5	3	2	5	3	7.5	5	10	7.5	10
220-240V AC	2	3	3	5	5	7.5	7.5	10	10	15
265V AC	–	5	–	7.5	–	10	–	10	–	15
277V AC	–	5	–	7.5	–	10	–	10	–	15
380-415V AC	–	7.5	–	10	–	15	–	20	–	25
440-480V AC	–	10	–	15	–	20	–	25	–	30
550-600V AC	–	7.5	–	10	–	15	–	25	–	30
Short Circuit Withstand Rating at 600 V with Max. Fuse Size/Class:	10 kA		10 kA		10 kA		10 kA		10 kA	
K5	30 A		30 A		30 A		30 A		30 A	
RK5	30 A		30 A		30 A		30 A		30 A	
RK1	60 A		60 A		60 A		60 A		60 A	
J	80 A		80 A		80 A		100 A		100 A	
Terminal Size Acceptability (Cu Conductors only, 75 °C)	14-8 AWG		14-8 AWG		14-8 AWG		12-4 AWG		12-4 AWG	
Terminal Torque	16 lb. in. (1.8 Nm)		16 lb. in. (1.8 Nm)		16 lb. in. (1.8 Nm)		16 lb. in. (1.8 Nm)		16 lb. in. (1.8 Nm)	
Screw Head Type	No. 2 Pozidrive		No. 2 Pozidrive		No. 2 Pozidrive		No. 2 Pozidrive		No. 2 Pozidrive	

Dimensions

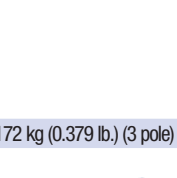
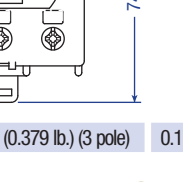
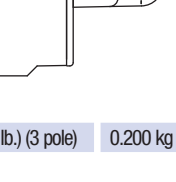
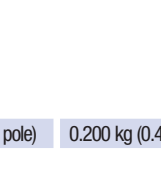
(to convert to inches multiply by 0.03937)



Weight	0.172 kg (0.379 lb.) (3 pole)	0.172 kg (0.379 lb.) (3 pole)	0.172 kg (0.379 lb.) (3 pole)	0.200 kg (0.441 lb.) (3 pole)	0.200 kg (0.441 lb.) (3 pole)

Suitable Accessories

Cover Plate

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

Toggle Handle Motor Disconnect Switch

Altech Corp.®

The EVA series includes a cover plate.

CE cULus E185115

Lockable with 1 padlock.

Lockable with 1 padlock.

Lockable with 1 padlock.

Lockable with 1 padlock.

Catalog Number				
White Cover/White Handle	EVA380 + K/EVA	EVA3100 + K/EVA	EVA3125 + K/EVA	EVA3160 + K/EVA
Yellow Cover/Red Handle	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	80 A	100 A	125 A	150 A
Maximum Voltage	600V AC	600V AC	600V AC	600V AC
Motor FLA @ 480V AC	—	–	–	–
Motor FLA @ 600V AC	47 A	54 A	68 A	83 A

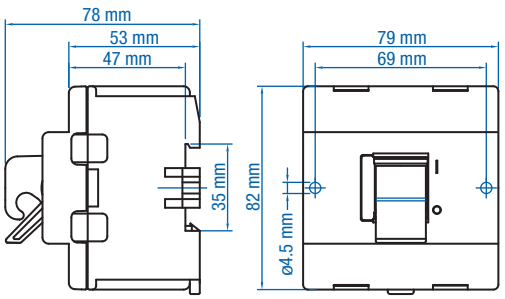
Horsepower Rating/HP	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase	3 Phase
110-120V AC	3	7.5	3	7.5	5	10	7.5	10
200V AC	7.5	10	7.5	15	10	20	10	25
208V AC	7.5	15	7.5	15	10	20	10	25
220-240V AC	7.5	15	10	20	15	25	15	30
265V AC	10	20	10	20	15	25	20	30
277V AC	10	20	10	20	15	30	20	30
380-415V AC	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:	10 kA	10 kA	10 kA	10 kA
K5	150 A	150 A	150 A	150 A
RK5	150 A	150 A	150 A	150 A
RK1	—	–	–	–
J	200 A	200 A	200 A	200 A

Terminal Size Acceptability (Cu Conductors only, 75 °C)	8-1/0 AWG	8-1/0 AWG	8-1/0 AWG	8-1/0 AWG
Terminal Torque	50 lb. in. (5.6 Nm)	50 lb. in. (5.6 Nm)	50 lb. in. (5.6 Nm)	50 lb. in. (5.6 Nm)
Screw Head Type	5 mm Allen Key	5 mm Allen Key	5 mm Allen Key	5 mm Allen Key

Dimensions

(to convert to inches multiply by 0.03937)



Weight	0.480 kg (1.058 lb.) (3 pole)	0.480 kg (1.058 lb.) (3 pole)	0.480 kg (1.058 lb.) (3 pole)	0.480 kg (1.058 lb.) (3 pole)

Special Black Toggle Handle Motor Disconnect Switch
EVA3100 + K/EVAB

Polycarbonate Enclosed Motor Disconnect Switch

E185115

- 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.

NEW

NEW

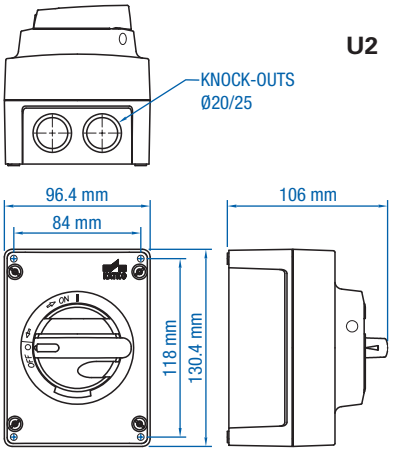
Catalog Number					
Black Handle	KEM316UL	KEM325UL	KEM340UL	KEM360UL	KEM380CUL
Yellow/Red Handle	KEM316UL Y/R	KEM325UL Y/R	KEM340UL Y/R	KEM360UL Y/R	KEM380CUL Y/R
No. of Poles	3 (4 pole - KEM416UL (Y/R))	3 (4 pole - KEM425UL (Y/R))	3 (4 pole - KEM440UL (Y/R))	3 (4 pole - KEM460UL (Y/R)	3 (4 pole - KEM480CUL (Y/R))
General Purpose Current	16 A	25 A	40 A	60 A	80 A
Maximum Voltage	600V AC	600V AC	600V AC	600V AC	600V AC
Motor FLA @ 480V AC	14 A	21 A	27A	34A	40 A
Motor FLA @ 600V AC	9A	11A	17A	27A	32A

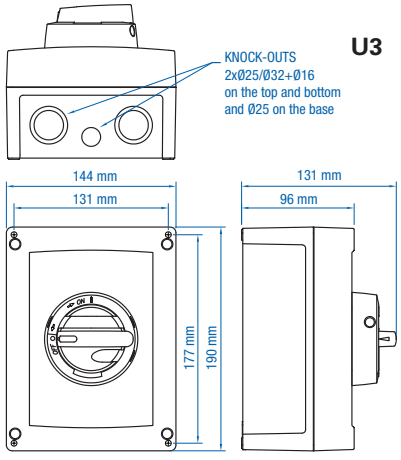
Horsepower Rating/HP	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase	3 Phase
110-120V AC	1	2	1.5	3	2	3	3	5	5	7.5
200V AC	1.5	3	2	5	3	7.5	5	10	7.5	10
208V AC	1.5	3	2	5	3	7.5	5	10	7.5	10
220-240V AC	2	3	3	5	5	7.5	7.5	10	10	15
265V AC	–	5	–	7.5	–	10	–	10	–	15
277V AC	–	5	–	7.5	–	10	–	10	–	15
380-415V AC	–	7.5	–	10	–	15	–	20	–	25
440-480V AC	–	10	–	15	–	20	–	25	–	30
550-600V AC	–	7.5	–	10	–	15	–	25	–	30

Short Circuit Withstand Rating at 600 V with Max. Fuse Size/Class:	10 kA	10 kA	10 kA	10 kA	10 kA
K5	30 A	30 A	30 A	30 A	30 A
RK5	30 A	30 A	30 A	30 A	30 A
RK1	60 A	60 A	60 A	60 A	60 A
J	80 A	80 A	80 A	100 A	100 A
Terminal Size Acceptability (Cu Conductors only, 75 °C)	14-8 AWG	14-8 AWG	14-8 AWG	12-4 AWG	12-4 AWG
Terminal Torque	16 lb. in. (1.8 Nm)	16 lb. in. (1.8 Nm)	16 lb. in. (1.8 Nm)	16 lb. in. (1.8 Nm)	16 lb. in. (1.8 Nm)
Screw Head Type	No. 2 Pozidrive	No. 2 Pozidrive	No. 2 Pozidrive	No. 2 Pozidrive	No. 2 Pozidrive
Environmental Rating	UL Type 4X	UL Type 4X	UL Type 4X	UL Type 4X	UL Type 4X
Enclosure Type Used	U2	U2	U3	U3	U3

Dimensions

(to convert to inches multiply by 0.03937)





Enclosure Cover Screw Installation (Additional Information)

Enclosure	Screw Type	Torque
U2	Pz2	17.7 lb. in. (2 Nm)
U3	Pz2	17.7 lb. in. (2 Nm)
MF10UL	PH2/1x7	13.3 lb. in. (1.5 Nm)
MF11UL	PH2/1x7	13.3 lb. in. (1.5 Nm)

Weight	0.49 kg (1.08 lb.)	0.49 kg (1.08 lb.)	0.72 kg (1.587 lb.)	0.773 kg (1.698 lb.)	0.773 kg (1.698 lb.)

Suitable Accessories

Auxiliary Contacts	KU1.V, KU2.V	KU1.V, KU2.V	KU1.V, KU2.V	KU1.V, KU2.V	KU1.V, KU2.V

Polycarbonate Enclosed Motor Disconnect Switch

E185115

Altech Corp.®

FUSED

- 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.

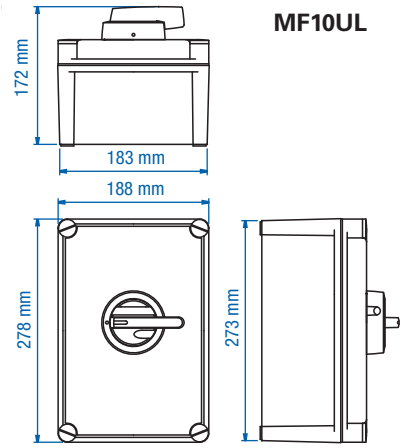
Catalog Number					
Black Handle	KEM380UL	KEM3100L	KEM3125L	KEM3150L	KKVM332, KKVM332CC
Yellow/Red Handle	KEM380UL Y/R	KEM3100L Y/R	KEM3125L Y/R	KEM3150L Y/R	KKVM332 Y/R, KKVM332CC Y/R
No. of Poles	3 (4 pole - KEM480UL (Y/R))	3 (4 pole - KEM4100L (Y/R))	3 (4 pole - KEM4125L (Y/R))	3 (4 pole - KEM4150L (Y/R))	3
General Purpose Current	80 A	100 A	125 A	150 A	30 A
Maximum Voltage	600V AC	600V AC	600V AC	600V AC	600V AC
Motor FLA @ 480V AC	–	–	–	–	–
Motor FLA @ 600V AC	47 A	54 A	68 A	83 A	–

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	Cat. No. KKVM 332 (Y/R) Fuse Type: 10x38, Midget KKVM 332CC (Y/R) Fuse Type: Class CC
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	30	50	30	60	
550-600V AC	25	40	30	50	30	60	40	75	

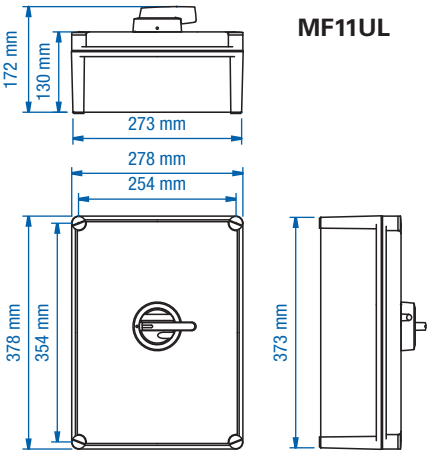
Short Circuit Withstand Rating at 600 V with Max. Fuse Size/Class:	10 kA	10 kA	10 kA	10 kA	10 kA
K5	150 A	150 A	150 A	150 A	50 A
RK5	150 A	150 A	150 A	150 A	50 A
RK1	—	–	–	–	80 A
J	200 A	200 A	200 A	200 A	80 A
Terminal Size Acceptability (Cu Conductors only, 75 °C)	8-1/0 AWG	8-1/0 AWG	8-1/0 AWG	8-1/0 AWG	14-8 AWG
Terminal Torque	50 lb. in. (5.6 Nm)	50 lb. in. (5.6 Nm)	50 lb. in. (5.6 Nm)	50 lb. in. (5.6 Nm)	16 lb. in. (1.8 Nm)
Screw Head Type	5 mm Allen Key	5 mm Allen Key	5 mm Allen Key	5 mm Allen Key	No. 2 Pozidrive
Environmental Rating	UL Type 4X	UL Type 4X	UL Type 4X	UL Type 4X	UL Type 4X
Enclosure Type Used	U3	MF10	MF10	MF11UL	U3

Dimensions

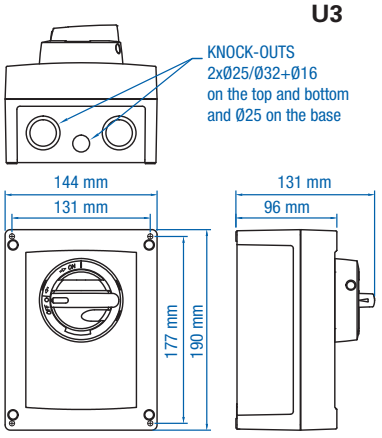
MF10UL



MF11UL



U3



Weight	1.021 kg (2.249 lb.)	1.9051 kg (4.2 lb.)	1.9051 kg (4.2 lb.)	2.8351 kg (6.25 lb.)	0.998 kg (2.2 lb.)

Suitable Accessories

Auxiliary Contacts	VKA1.V, VKA2.V	VKA1.V, VKA2.V	VKA1.V, VKA2.V	VKA1.V, VKA2.V	KU1.V, KU2.V

Aluminum Enclosed Motor Disconnect Switch

E185115

- UL Type 4
- Excellent in harsh weather conditions
- UV resistant
- Resistant to many chemicals
- IP66 Protection Level
- Lockable and Defeatable Handle

All Models are lockable with up to 3 padlocks.

NEW

Catalog Number

Black Handle	KEA316UL	KEA325UL	KEA340UL	KEA360UL
Yellow/Red Handle	KEA316UL Y/R	KEA325UL Y/R	KEA340UL Y/R	KEA360UL Y/R
No. of Poles	3 (4 pole - KEA416UL (Y/R))	3 (4 pole - KEA425UL (Y/R))	3 (4 pole - KEA440UL (Y/R))	3 (4 pole - KEA460UL (Y/R))
General Purpose Current	16 A	25 A	40 A	60 A
Maximum Voltage	600V AC	600V AC	600V AC	600V AC
Motor FLA @ 480V AC	14 A	21 A	27A	34A
Motor FLA @ 600V AC	9A	11A	17A	27A

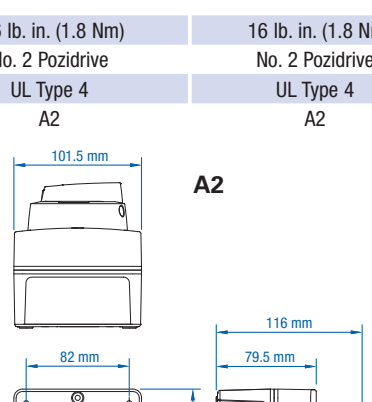
Horsepower Rating/HP	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase	3 Phase
110-120V AC	1	2	1.5	3	2	3	3	5
200V AC	1.5	3	2	5	3	7.5	5	10
208V AC	1.5	3	2	5	3	7.5	5	10
220-240V AC	2	3	3	5	5	7.5	7.5	10
265V AC	–	5	–	7.5	–	10	–	10
277V AC	–	5	–	7.5	–	10	–	10
380-415V AC	–	7.5	–	10	–	15	–	20
440-480V AC	–	10	–	15	–	20	–	25
550-600V AC	–	7.5	–	10	–	15	–	25

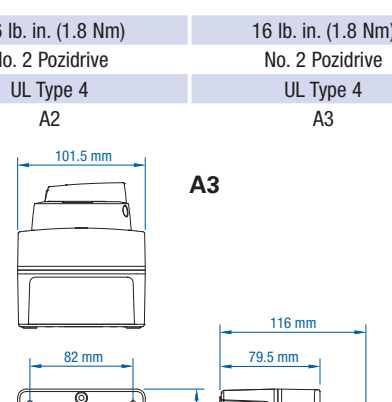
Short Circuit Withstand Rating at 600 V with Max. Fuse Size/Class:	10 kA	10 kA	10 kA	10 kA
K5	30 A	30 A	30 A	30 A
RK5	30 A	30 A	30 A	30 A
RK1	60 A	60 A	60 A	60 A
J	80 A	80 A	80 A	100 A

Terminal Size Acceptability (Cu Conductors only, 75 °C)	14-8 AWG	14-8 AWG	14-8 AWG	12-4 AWG
Terminal Torque	16 lb. in. (1.8 Nm)	16 lb. in. (1.8 Nm)	16 lb. in. (1.8 Nm)	16 lb. in. (1.8 Nm)
Screw Head Type	No. 2 Pozidrive	No. 2 Pozidrive	No. 2 Pozidrive	No. 2 Pozidrive
Environmental Rating	UL Type 4	UL Type 4	UL Type 4	UL Type 4
Enclosure Type Used	A2	A2	A2	A3

Dimensions

(to convert to inches multiply by 0.03937)





Enclosure Cover Screw Installation (Additional Information)

Enclosure	Screw Type	Torque
A2	Pz2	17.7 lb. in. (2 Nm)
A3	Pz2	17.7 lb. in. (2 Nm)

Weight	0.8 kg (1.76 lb.)	0.8 kg (1.76 lb.)	0.8 kg (1.76 lb.)	2.0 kg (4.41 lb.)

Suitable Accessories

Auxiliary Contacts	KU1.V, KU2.V	KU1.V, KU2.V	KU1.V, KU2.V	KU1.V, KU2.V

Aluminum Enclosed Motor Disconnect Switch

E185115

- UL Type 4
- Excellent in harsh weather conditions
- UV resistant
- Resistant to many chemicals
- IP66 Protection Level
- Lockable and Defeatable Handle

All Models are lockable with up to 3 padlocks.

NEW

Catalog Number

Black Handle	KEA380CUL	KEA380UL	KEA3100UL	KEA3125UL
Yellow/Red Handle	KEA380CUL Y/R	KEA380UL Y/R	KEA3100UL Y/R	KEA3125UL Y/R
No. of Poles	3 (4 pole - KEA480CUL (Y/R))	3 (4 pole - KEA480UL (Y/R))	3 (4 pole - KEA4100UL (Y/R))	3 (4 pole - KEA4125UL (Y/R))
General Purpose Current	80 A	80 A	100 A	125 A
Maximum Voltage	600V AC	600V AC	600V AC	600V AC
Motor FLA @ 480V AC	40 A	–	–	–
Motor FLA @ 600V AC	32A	47 A	54 A	68 A

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

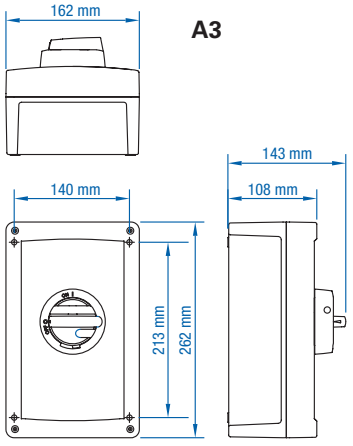
Short Circuit Withstand Rating at 600 V with Max. Fuse Size/Class:	10 kA	10 kA	10 kA	10 kA
K5	30 A	150 A	150 A	150 A
RK5	30 A	150 A	150 A	150 A
RK1	60 A	—	–	–
J	100 A	200 A	200 A	200 A

Terminal Size Acceptability (Cu Conductors only, 75 °C)	12-4 AWG	8-1/0 AWG	8-1/0 AWG	8-1/0 AWG
Terminal Torque	16 lb. in. (1.8 Nm)	50 lb. in. (5.6 Nm)	50 lb. in. (5.6 Nm)	50 lb. in. (5.6 Nm)
Screw Head Type	No. 2 Pozidrive	5 mm Allen Key	5 mm Allen Key	5 mm Allen Key
Environmental Rating	UL Type 4	UL Type 4	UL Type 4	UL Type 4
Enclosure Type Used	A3	A3	A3	A3

Dimensions

(to convert to inches multiply by 0.03937)

A3



Weight	2.3 kg (5.07 lb.)	2.3 kg (5.07 lb.)	2.3 kg (5.07 lb.)	2.3 kg (5.07 lb.)

Suitable Accessories

Auxiliary Contacts	KU1.V, KU2.V	VKA1.V, VKA2.V	VKA1.V, VKA2.V	VKA1.V, VKA2.V

Sheet Metal Enclosed Motor Disconnect Switch

E185115

- UL Type 4
- Excellent in harsh weather conditions
- Resistant to many chemicals
- Corrosion and UV resistant
- IP65 Protection Level
- Lockable - Defeatable Handle

All Models are lockable with up to 3 padlocks.

NEW

NEW

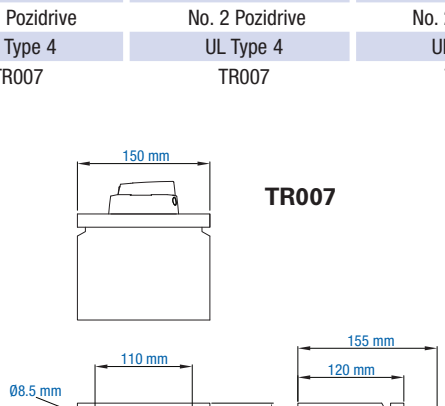
Catalog Number					
Black Handle	KET316UL	KET325UL	KET340UL	KET360UL	KET380CUL
Yellow/Red Handle	KET316UL Y/R	KET325UL Y/R	KET340UL Y/R	KET360UL Y/R	KET380CUL Y/R
No. of Poles	3 (4 pole - KET416UL (Y/R))	3 (4 pole - KET425UL (Y/R))	3 (4 pole - KET440UL (Y/R))	3 (4 pole - KET460UL (Y/R))	3 (4 pole - KET480CUL (Y/R))
General Purpose Current	16 A	25 A	40 A	60 A	80 A
Maximum Voltage	600V AC	600V AC	600V AC	600V AC	600V AC
Motor FLA @ 480V AC	14 A	21 A	27A	34A	40 A
Motor FLA @ 600V AC	9A	11A	17A	27A	32A

Horsepower Rating/HP	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase	3 Phase
110-120V AC	1	2	1.5	3	2	3	3	5	5	7.5
200V AC	1.5	3	2	5	3	7.5	5	10	7.5	10
208V AC	1.5	3	2	5	3	7.5	5	10	7.5	10
220-240V AC	2	3	3	5	5	7.5	7.5	10	10	15
265V AC	–	5	–	7.5	–	10	–	10	–	15
277V AC	–	5	–	7.5	–	10	–	10	–	15
380-415V AC	–	7.5	–	10	–	15	–	20	–	25
440-480V AC	–	10	–	15	–	20	–	25	–	30
550-600V AC	–	7.5	–	10	–	15	–	25	–	30

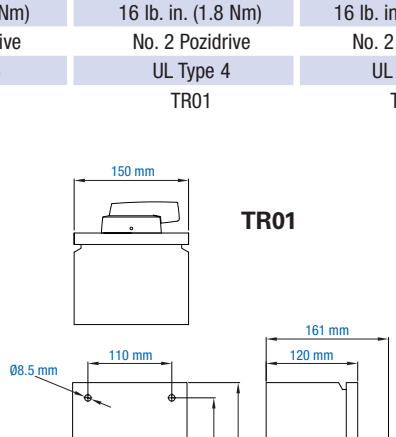
Short Circuit Withstand Rating at 600 V with Max. Fuse Size/Class:	10 kA	10 kA	10 kA	10 kA	10 kA
K5	30 A	30 A	30 A	30 A	30 A
RK5	30 A	30 A	30 A	30 A	30 A
RK1	60 A	60 A	60 A	60 A	60 A
J	80 A	80 A	80 A	100 A	100 A
Terminal Size Acceptability (Cu Conductors only, 75 °C)	14-8 AWG	14-8 AWG	14-8 AWG	12-4 AWG	12-4 AWG
Terminal Torque	16 lb. in. (1.8 Nm)	16 lb. in. (1.8 Nm)	16 lb. in. (1.8 Nm)	16 lb. in. (1.8 Nm)	16 lb. in. (1.8 Nm)
Screw Head Type	No. 2 Pozidrive	No. 2 Pozidrive	No. 2 Pozidrive	No. 2 Pozidrive	No. 2 Pozidrive
Environmental Rating	UL Type 4	UL Type 4	UL Type 4	UL Type 4	UL Type 4
Enclosure Type Used	TR007	TR007	TR007	TR01	TR01

Dimensions

(to convert to inches multiply by 0.03937)



TR007



TR01

Enclosure Cover Screw Installation (Additional Information)

Enclosure	Screw Type	Torque
TR007	PH2	10.6 lb. in. (1.2 Nm)
TR01	PH2	10.6 lb. in. (1.2 Nm)
TR02		Key lock

Weight	2.1 kg (4.63 lb.)	2.1 kg (4.63 lb.)	2.1 kg (4.63 lb.)	4.0 kg (8.82 lb.)	4.3 kg (9.48 lb.)

Suitable Accessories

Auxiliary Contacts	KU1.V, KU2.V	KU1.V, KU2.V	KU1.V, KU2.V	KU1.V, KU2.V	VKA1.V, VKA2.V

Sheet Metal Enclosed Motor Disconnect Switch

E185115

Altech Corp.®

- UL Type 4
- Excellent in harsh weather conditions
- Resistant to many chemicals
- Corrosion and UV resistant
- IP65 Protection Level
- Lockable - Defeatable Handle

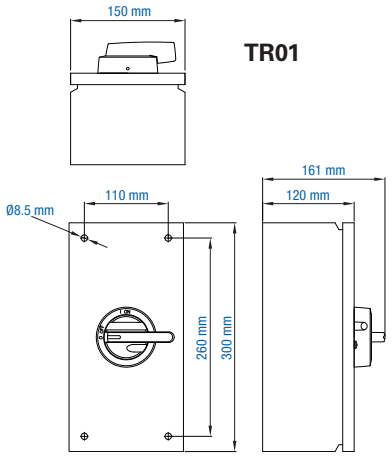
All Models are lockable with up to 3 padlocks.

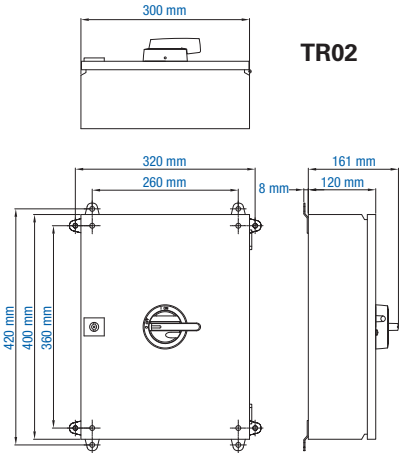
Catalog Number				
Black Handle	KET380UL	KET3100UL	KET3125UL	KET3150UL
Yellow/Red Handle	KET380UL Y/R	KET3100UL Y/R	KET3125UL Y/R	KET3150UL Y/R
No. of Poles	3 (4 pole - KET480UL (Y/R))	3 (4 pole - KET4100UL (Y/R))	3 (4 pole - KET4125UL (Y/R))	3 (4 pole - KET4315UL (Y/R))
General Purpose Current	80 A	100 A	125 A	125 A
Maximum Voltage	600V AC	600V AC	600V AC	600V AC
Motor FLA @ 480V AC	–	–	–	–
Motor FLA @ 600V AC	47 A	54 A	68 A	68 A

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	5	10
200V AC	7.5	10	7.5	15	10	20	10	20
208V AC	7.5	15	7.5	15	10	20	10	20
220-240V AC	7.5	15	10	20	15	25	15	25
265V AC	10	20	10	20	15	25	15	25
277V AC	10	20	10	20	15	30	15	30
380-415V AC	15	25	15	30	20	40	20	40
440-480V AC	20	30	20	40	30	50	30	50
550-600V AC	25	40	30	50	30	60	30	60

Short Circuit Withstand Rating at 600 V with Max. Fuse Size/Class:	10 kA	10 kA	10 kA	10 kA
K5	150 A	150 A	150 A	150 A
RK5	150 A	150 A	150 A	150 A
RK1	—	–	–	–
J	200 A	200 A	200 A	200 A
Terminal Size Acceptability (Cu Conductors only, 75 °C)	8-1/0 AWG	8-1/0 AWG	8-1/0 AWG	8-1/0 AWG
Terminal Torque	50 lb. in. (5.6 Nm)	50 lb. in. (5.6 Nm)	50 lb. in. (5.6 Nm)	50 lb. in. (5.6 Nm)
Screw Head Type	5 mm Allen Key	5 mm Allen Key	5 mm Allen Key	5 mm Allen Key
Environmental Rating	UL Type 4	UL Type 4	UL Type 4	UL Type 4
Enclosure Type Used	TR01	TR01	TR01	TR02

Dimensions





Weight	4.3 kg (9.48 lb.)	4.3 kg (9.48 lb.)	4.3 kg (9.48 lb.)	9.7 kg (21.39 lb.)

Suitable Accessories

Auxiliary Contacts	VKA1.V, VKA2.V	VKA1.V, VKA2.V	VKA1.V, VKA2.V	VKA1.V, VKA2.V

Stainless Steel Enclosed Motor Disconnect Switch

E185115

- 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
- IP66 Protection Level
- Lockable - Defeatable Handle

NEW

All Models are lockable with up to 3 padlocks.

Catalog Number

Black Handle	KER316UL	KER325UL	KER340UL
Yellow/Red Handle	KER316UL Y/R	KER325UL Y/R	KER340UL Y/R
No. of Poles	3 (4 pole - KER416UL (Y/R))	3 (4 pole - KER425UL (Y/R))	3 (4 pole - KER440UL (Y/R))
General Purpose Current	16 A	25 A	40 A
Maximum Voltage	600V AC	600V AC	600V AC
Motor FLA @ 480V AC	14 A	21 A	27 A
Motor FLA @ 600V AC	9 A	11 A	17 A

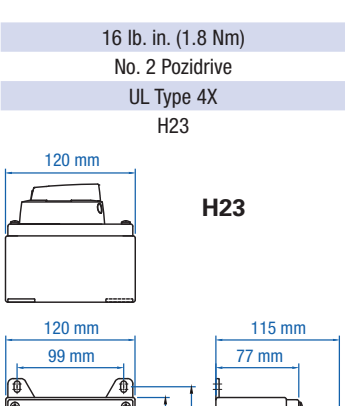
Horsepower Rating/HP	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase	3 Phase
110-120V AC	1	2	1.5	3	2	3
200V AC	1.5	3	2	5	3	7.5
208V AC	1.5	3	2	5	3	7.5
220-240V AC	2	3	3	5	5	7.5
265V AC	–	5	–	7.5	–	10
277V AC	–	5	–	7.5	–	10
380-415V AC	–	7.5	–	10	–	15
440-480V AC	–	10	–	15	–	20
550-600V AC	–	7.5	–	10	–	15

Short Circuit Withstand Rating at 600 V with Max. Fuse Size/Class:	10 kA	10 kA	10 kA
K5	30 A	30 A	30 A
RK5	30 A	30 A	30 A
RK1	60 A	60 A	60 A
J	80 A	80 A	80 A
Terminal Size Acceptability (Cu Conductors only, 75 °C)	14-8 AWG	14-8 AWG	14-8 AWG
Terminal Torque	16 lb. in. (1.8 Nm)	16 lb. in. (1.8 Nm)	16 lb. in. (1.8 Nm)
Screw Head Type	No. 2 Pozidrive	No. 2 Pozidrive	No. 2 Pozidrive
Environmental Rating	UL Type 4X	UL Type 4X	UL Type 4X
Enclosure Type Used	H23	H23	H23

Dimensions

(to convert to inches multiply by 0.03937)

H23



Enclosure Cover Screw Installation (Additional Information)

Enclosure	Screw Type	Torque
H23	Pz2	17.7 lb. in. (2 Nm)
H32	Pz2	17.7 lb. in. (2 Nm)

Weight	1.35 kg (2.98 lb.)	1.35 kg (2.98 lb.)	1.35 kg (2.98 lb.)

Suitable Accessories

Auxiliary Contacts	KU1.V, KU2.V	KU1.V, KU2.V	KU1.V, KU2.V

Stainless Steel Enclosed Motor Disconnect Switch

E185115

- 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
- IP66 Protection Level
- Lockable - Defeatable Handle

NEW

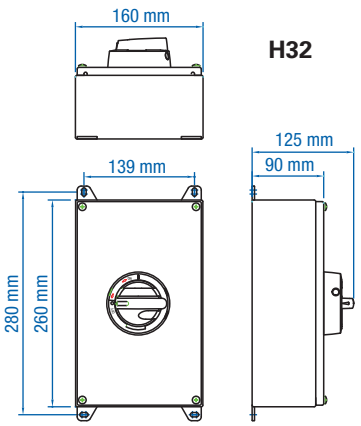
All Models are lockable with up to 3 padlocks.

Catalog Number										
Black Handle	KER360UL		KER380CUL		KER380UL		KER3100UL		KER3125UL	
Yellow/Red Handle	KER360UL Y/R		KER380CUL Y/R		KER380UL Y/R		KER3100UL Y/R		KER3125UL Y/R	
No. of Poles	3 (4 pole - KER460UL (Y/R))		3 (4 pole - KER480CUL (Y/R))		3 (4 pole - KER480UL (Y/R))		3 (4 pole - KER4100UL (Y/R))		3 (4 pole - KER4125UL (Y/R))	
General Purpose Current	60 A		80 A		80 A		100 A		125 A	
Maximum Voltage	600V AC		600V AC		600V AC		600V AC		600V AC	
Motor FLA @ 480V AC	34 A		40 A		–		–		–	
Motor FLA @ 600V AC	27 A		32 A		47 A		54 A		68 A	
Horsepower Rating/HP	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase	3 Phase
110-120V AC	3	5	5	7.5	3	7.5	3	7.5	5	10
200V AC	5	10	7.5	10	7.5	10	7.5	15	10	20
208V AC	5	10	7.5	10	7.5	15	7.5	15	10	20
220-240V AC	7.5	10	10	15	7.5	15	10	20	15	25
265V AC	–	10	–	15	10	20	10	20	15	25
277V AC	–	10	–	15	10	20	10	20	15	30
380-415V AC	–	20	–	25	15	25	15	30	20	40
440-480V AC	–	25	–	30	20	30	20	40	30	50
550-600V AC	–	25	–	30	25	40	30	50	30	60
Short Circuit Withstand Rating at 600 V with Max. Fuse Size/Class:	10 kA		10 kA		10 kA		10 kA		10 kA	
K5	30 A		30 A		150 A		150 A		150 A	
RK5	30 A		30 A		150 A		150 A		150 A	
RK1	60 A		60 A		—		–		–	
J	100 A		100 A		200 A		200 A		200 A	
Terminal Size Acceptability (Cu Conductors only, 75 °C)	12-4 AWG		12-4 AWG		8-1/0 AWG		8-1/0 AWG		8-1/0 AWG	
Terminal Torque	16 lb. in. (1.8 Nm)		16 lb. in. (1.8 Nm)		50 lb. in. (5.6 Nm)		50 lb. in. (5.6 Nm)		50 lb. in. (5.6 Nm)	
Screw Head Type	UL Type 4X		No. 2 Pozidrive		5 mm Allen Key		5 mm Allen Key		5 mm Allen Key	
Environmental Rating	No. 2 Pozidrive		UL Type 4X		UL Type 4X		UL Type 4X		UL Type 4X	
Enclosure Type Used	H32		H32		H32		H32		H32	

Dimensions

(to convert to inches multiply by 0.03937)

H32



Weight	1.35 kg (2.98 lb.)	2.66 kg (5.87 lb.)	2.66 kg (5.87 lb.)	2.66 kg (5.87 lb.)	2.66 kg (5.87 lb.)

Suitable Accessories

Auxiliary Contacts	KU1.V, KU2.V	KU1.V, KU2.V	VKA1.V, VKA2.V	VKA1.V, VKA2.V	VKA1.V, VKA2.V

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OKA/VKA 1.V Y/R	11
OKA/VKA 2.V	11
OKA/VKA 2.V Y/R	11
OKA/VKA4P 2.V	11
OKA/VKA4P 0.V	11
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STANDARD TERMS AND CONDITIONS OF SALE

Altech Corp.®

TITLE - Title to the products of ALTECH shall remain with ALTECH until payment is made in full by Customer. Such reservation of title is for the purpose of securing the purchase price and shall not relieve Customer of the duty to inspect the products upon receipt, to notify ALTECH of any deficiencies or defects, and to exercise due care in the use, installation, operation, and maintenance of the products when on the premise of the Customer or under the control of the Customer. Notwithstanding any reservation of title by ALTECH, risk of loss shall pass to customer at any time of shipment.

SHIPMENT AND DELIVERY - All orders for destination in the mainland United States (less Hawaii, Alaska and non-continental United States possessions) will be shipped F.O.B. Flemington, N.J. All destination, shipping and other charges shall be paid by the Customer in accordance with ALTECH's then current shipping and billing practices.

Delivery dates given in the acceptance of any order are approximate. ALTECH shall not be liable for delays in delivery or in performance due to causes beyond its reasonable control including acts of God, acts of Customer, acts of civil or military authority, fires, strikes or other labor disturbances, war, riot or delays in transportation. In the event of such delay, the date of delivery or performance shall be extended for a period equal to the time lost by reason of the delay.

PRICE - PRICES in any ALTECH publication are subject to change without prior notification. Catalog prices are based on prices published in the current price list. All written quotations are valid for thirty (30) days from the date of quotation. Customer shall pay all sales, use, excise or similar taxes whenever ALTECH must itself pay and/or collect such tax from Customer arising out of the sale.

PAYMENT - Customer agrees to make payment within thirty (30) days of date of the invoice from ALTECH. Customer agrees to pay a late payment charge of one and one-half percent (1.5% per month, or the maximum late payment charge permitted by applicable law, whichever is less, on any unpaid amount for each calendar month (or fraction thereof) that such payment is in default. Orders amounting to less than $100.00 will be billed at $100.00 plus freight. Full carton purchases are required. In the event of referral to an attorney for collection, reasonable attorney's fees for collection of the overdue amount shall be paid by Customer. In the event payment is not received within 30 days from the date of invoice, any discount shall be cancelled and the full list price will be due.

LIMITED WARRANTY - ALTECH warrants to Customer that the equipment purchases shall be free from defects in material and workmanship under normal use and service for a period of one year from shipment.

Written notice as an explanation of the circumstances of any claim that the equipment has proved defective in material or workmanship shall be given promptly by the Customer to ALTECH.

ALTECH will not be liable for any misuse, improper operations, improper installation, improper maintenance, alteration, modification, accident or unusual degradation of the equipment or parts due to an unsuitable installation environment.

No representation of other affirmation of facts, including but not limited to statements regarding capacity, suitability for use or performance of the equipment, shall be or be deemed to be a warranty or representation by ALTECH for any purpose, nor give rise to any liability or obligation of ALTECH whatsoever.

Customer's sole and exclusive remedy in the event of breach of warranty, as set forth herein, is expressly limited to (1) the correction of the defect by adjustment, repair, modification, or replacement, or (2) issuance of a credit or refund of the purchase price for the defective equipment at ALTECH's election and sole expense.

EXCEPT AS SPECIFICALLY PROVIDED IN THIS AGREEMENT, THERE ARE NO OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

THIS WARRANTY EXTENDS ONLY TO THE CUSTOMER FROM ALTECH OR ITS AUTHORIZED DISTRIBUTOR.

LIMITATION OF LIABILITY - IN NO EVENT, SHALL ALTECH BE LIABLE FOR LOSS OF PROFITS, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER SIMILAR DAMAGES ARISING OUT OF ANY BREACH OF THIS AGREEMENT OR OBLIGATIONS UNDER THE AGREEMENT.

ALTECH SHALL NOT BE LIABLE FOR ANY DAMAGES CAUSED BY DELAY IN SHIPMENT, INSTALLATION OR FURNISHING OF EQUIPMENT OR SERVICES UNDER THIS AGREEMENT.

No action arising out of any claimed breach of this Agreement may be brought by either party more than two (2) years after the cause of action has accrued.

PATENT INDEMNITY - ALTECH shall defend or settle any suit or proceeding brought against Customer based on a claim that any equipment made to ALTECH design and furnished hereunder constitutes an infringement of any existing United States patent, provided (ALTECH) is notified promptly in writing and is given complete authorization and information required for the defense, and ALTECH shall pay all damages and costs awarded against Customer, but shall not be responsible for any costs, expense or compromise incurred or made by Customer without ALTECH's prior written consent. If any equipment is in ALTECH's opinion likely to or does become the subject of a claim for patent infringement, ALTECH may at its option and expense procure for Customer the right to continue using the device, modify it to become non-infringing, but in the event ALTECH is not reasonably able to modify, substitute, or otherwise procure for Customer the right to continue using it, ALTECH will remove such equipment and refund to Customer the amount paid in excess of a reasonable rental for past use.

ALTECH shall not be liable for any infringement or claim based upon use of the equipment in combination with other equipment not supplied by ALTECH or with modifications made by Customer.

The foregoing states the entire liability of ALTECH to Customer arising from patent infringement.

SELLER'S REMEDIES - Should Customer fail to make any payment within ten (10) days of its due date, or fail to perform any other of the Customer's obligation hereunder upon thirty (30) days written notice, or should Customer be or become insolvent or be a party to any bankruptcy receivership proceeding prior to full payment of all amounts payable hereunder, ALTECH may: (a) with or without demand or notice to customer declare the entire amount unpaid immediately due and payable; (b) enter upon the premises where the equipment may be found and remove it (Customer shall assemble the equipment and make it available to ALTECH at a place reasonably convenient to both parties and shall permit and assist ALTECH in effecting the retaking and removal of the equipment); and (c) sell any or all the equipment as permitted under applicable law, applying the proceeds of the sale to payment of the expenses of retaking, repairing and selling the equipment, reasonable attorney fees and to the satisfaction of all indebtedness then due and unpaid under this Agreement. Any surplus shall be paid to Customer and any deficiency shall be paid to ALTECH by Customer.

The remedies provided herein shall be cumulative and in addition to all other remedies provided by law or equity or under the Uniform Commercial Code.

GOVERNING LAW - This agreement will be governed by the Laws of the State of New Jersey.

GENERAL - This Agreement shall only become effective and binding when either (a) it has been accepted and executed by an authorized representative of ALTECH, or (b) the equipment has been shipped to Customer, with or without acceptance in writing hereon. Notice of acceptance is hereby waived by Customer. Customer hereby acknowledges receipt of a true and complete copy hereof.

No addition to or modification of any of the Terms and Conditions of Sale as they appear herein shall be binding upon ALTECH unless signed in writing by duly authorized representative of ALTECH in Flemington, N.J.

Typographical and clerical errors in quotations, orders and acknowledgments are subject to correction.

This Agreement is not assignable without the prior written consent of ALTECH. Any attempt to assign any of the rights, duties or obligations of this Agreement without such consent is void.

If any provision or provisions of this Agreement shall be held to be invalid, illegal or unenforceable, the validity, legality and enforceability, of the remaining provisions shall not in any way be affected or impaired thereby.

ALTECH is not responsible for failure to fulfill its obligation under this Agreement due to causes beyond its control, or except as agreed herein.

THE CUSTOMER ACKNOWLEDGES THAT HE HAS READ THE AGREEMENT, UNDERSTANDS IT, AND AGREES TO BE BOUND BY ITS TERMS AND CONDITIONS. FURTHERMORE, THE CUSTOMER AGREES THAT IT IS THE COMPLETE AND EXCLUSIVE STATEMENT OF THE AGREEMENT BETWEEN THE PARTIES, WHICH SUPERSEDES ALL PROPOSALS OR PRIOR AGREEMENTS, ORAL OR WRITTEN, EXPRESSED OR IMPLIED, AND ALL OTHER COMMUNICATIONS BETWEEN THE PARTIES RELATING TO THE SUBJECT MATTER OF THIS AGREEMENT.

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