



Kraus & Naimer Pty. Ltd.

BLUE LINE switchgear

**ENCLOSED ON-LOAD FAULT MAKE LOAD BREAK ISOLATORS,
DISCONNECTORS, LOCAL MAINTENANCE SAFETY SWITCHES
AND CHANGEOVER SWITCHES**



FOR COMPLETE PRODUCT RANGE VISIT
www.krausnaimer.com.au



Kraus & Naimer

BLUE LINE switchgear

The development of the Blue Line rotary switch, load break switches disconnectors - switch disconnectors, contactor and motor starter product ranges is based on One Hundred years experience by Kraus & Naimer. In the Design and manufacture of electrical switchgear, Kraus and Naimer have pioneered the introduction of the cam operated rotary switch, and continues to be recognised as the world leader in that product field.

BLUE LINE

Blue Line products are protected by numerous patents throughout the industrial world. They are built to national and international standards and designed to withstand adverse temperatures and climates.

Blue Line products are accepted and universally recognised for their quality and workmanship. They are supported by the world-wide sales and service organisation.

The Kraus & Naimer Registered Trademark



WORLDWIDE SYMBOL FOR QUALITY SWITCHGEAR

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SWITCH RATINGS

Switch Type	Rated Insulation Voltage U_i Volt	Resistive Load Switching AC21A Amp	Motor Load Switching AC23A/415V kW	"M" Rating Locked Rotor Amp	Max Fuse Size (gl characteristic) For Short Circuit Protection Amp	Max Wire Gauge To suit terminal size and rating mm ²
KG10	690	20	5.5	100	20	2.5
KG20	690	25	7.5	110	35	6
KG32	690	32	11	168	35	6
KG41	690	40	15	220	50	16
KG64	690	63	22	320	63	16
KG80	690	80	30	425	80	50
KG100	690	100	37	520	100	50
KG105	690	125	45	600	125	50
KG126	1000(1)	125	45	600	125	95(2)
KG161	1000(1)	160	55	660	160	95(2)
KG211	1000(1)	200	75	760	200	185(2)
KG251	1000(1)	250	90	900	250	185(2)
KG316	1000(1)	315	110	1200	315	185(2)
KH16	800(1)	16	7.5	110	25	6
KH25	800(1)	25	12	170	35	6
KH32	800(1)	32	16	225	35	10
KH40	800(1)	40	20	265	50	10
KH63	1000(1)	63	30	425	80	35
KH80	1000(1)	80	40	505	100	35
6KE252	800(1)	250	132	2000	250	150(2)
6KE401	1000(1)	400	220	3200	400	240(2)
6KE631	1000(1)	630	280	3200	630	2x300(2)
6KE801	1000(1)	800	425	6400	800	2x300(2)
6KE1251	1000(1)	1250	530	8000	1250	4x185(2)

(1) Suitable for no-load switching applications (AC-20A) above 690V

(2) Denotes lugged terminal

IEC 60947-3 SWITCHES - DISCONNECTORS - SWITCH DISCONNECTORS

IEC 60947 is a safety and performance standard for low voltage switchgear (up to 1000V) which has universally replaced IEC 408 and combined specific requirements of many individual national standards. IEC 60947 is a uniform standard for most countries around the world and establishes a truly global marketplace. IEC 60947-3 is a section of the standard specific to switches. Importantly, it recognises that devices for the switching function and isolating function require very different performance criteria. Switching requires high performance of current carrying parts to make and break loads under normal and overload conditions, ie., motor reversing applications. Isolation requires high insulation, sufficient spacing of current carrying parts and mechanical integrity that the handle corresponds to actual contact position for the safety of maintenance personnel.

Practicality of real life applications calls for three definitions within IEC 60947-3; Switches, Disconnectors and Switch Disconnectors. A switch does not have to satisfy the isolation and mechanical strength tests, and a disconnector likewise the load tests. A Switch Disconnector must satisfy all tests and is suitable for safety switch applications. A switch disconnector must have a direct drive late make early break auxillary contact in series with a load breaking device to be suitable as a safety switch.

Kraus & Naimer have developed complete products which satisfy all IEC 60947 criteria, some of which are listed overleaf. For further information, please contact our offices.

FOR HIGHER CURRENT RATINGS

Please contact your nearest KRAUS & NAIMER stockist.

Useful Formulae

$$kW = kVA \times pF$$

$$kW = \frac{hp \times 746}{1000 \times \text{Eff}} = \frac{hp \times 746 \times 100}{1000 \times \% \text{Eff}}$$

$$kW = \frac{\text{Line amps} \times \text{Line volts} \times 1.732 \times pF}{1000}$$

$$kVA = \frac{kW}{pF}$$

$$kVA = \frac{hp \times 756}{1000 \times \text{Eff} \times pF}$$

$$kVA = \frac{\text{Line amps} \times \text{Line volts} \times 1.732}{1000}$$

$$\text{Line Amps} = \frac{kVA \times 1000}{\text{Line volts} \times 1.732}$$

$$\text{Line Amps} = \frac{kW \times 1000}{\text{Line volts} \times 1.732 \times pF}$$

$$\text{Line Amps} = \frac{hp \times 746}{\text{Line volts} \times 1.732 \times \text{Eff} \times pF}$$

$$\text{Horsepower} = \frac{kVA \times 1000 \times \text{Eff}}{746}$$

$$hp = \frac{kVA \times 1000 \times \text{Eff} \times pF}{746}$$

$$hp = \frac{\text{Line amps} \times \text{Line volts} \times 1.732 \times \text{Eff} \times pF}{746}$$

$$1 \text{ Watt} = 1 \text{ joule/second}$$

$$1 \text{ hp} = 746 \text{ Watts}$$

$$1 \text{ hp} = 746 \text{ joules/second}$$

VOLT-DROP Single Phase

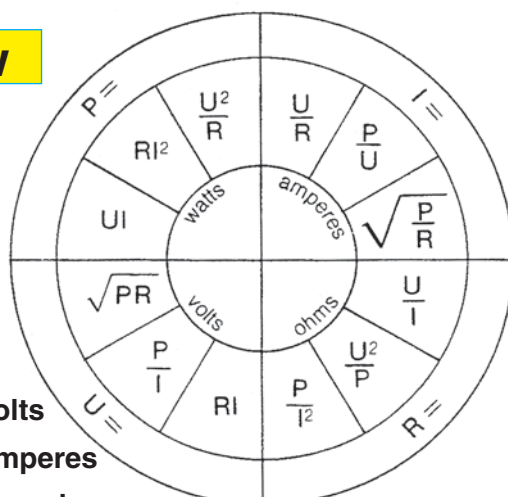
$$\text{Service Voltage} = 240V$$

$$\text{Max Permissible Vd} = \frac{240 \times 2.5}{100} \quad (2.5\% \text{ Service Voltage})$$

$$= 6V$$

$$\text{Max Unit Vd} = \frac{\text{Max Vd} \times 1000}{1 \times \text{distance}} \quad (\text{Length of cable run})$$

Ohm's Law



SYMBOLS

U = Voltage in volts

I = Current in amperes

R = Resistance on ohms

P = Power in watts

POWER Motor Size		CURRENT three phase 50-60 Hz	
kW	h.p.	415V	440V
0.37	0.5	1.2	1
0.55	0.75	1.6	1.3
0.75	1	2	1.68
1.1	1.5	2.5	2.37
1.5	2	3.5	3.06
2.2	3	5	4.42
3	4	6.5	5.77
4	5.5	7.5	7
5.5	7.5	11	10.4
7.5	10	14	13.7
10	13.5	19	16.5
11	15	21	20.1
15	20	28	26.5
18.5	25	35	32.8
22	30	40	39
30	40	55	51.5
37	50	66	64
45	60	80	76.3
55	75	100	90
75	100	135	125
90	125	165	156
110	150	200	186
132	175	230	216
160	220	280	256
200	270	340	321
220	300	385	353
250	350	450	400
315	430	535	500

IP Ratings

IP65 - where 6 means complete protection against accidental contact with live or internal moving parts. Protection against the ingress of dust (dust tight). Where 5 means water projected by nozzle against the equipment from any direction shall have no harmful effect.

IP66 - where 6 means complete protection against accidental contact with live or internal moving parts. Protection against the ingress of dust (dust tight). Where 6 means water projected by powerful jets against the enclosure from any direction shall have no harmful effect.

OFF-ON PLASTIC ENCLOSURE

3 POLE

Features:

Padlockable Handle & Plastic Enclosure IP65/66

KS, KL & 6FE ENCLOSURES

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER (Switch-Base-Mount)	ENCLOSURE DIMENSIONS H x W x D mm	KNOCK-OUT & BLANK ENTRIES mm
20	5.5	2.5	KG10 T203/AU1508 KS51V	120 x 85 x 80	6 x 20
25	7.5	6	KG20 T203/AU1508 KS51V	120 x 85 x 80	6 x 20
25	7.5	6	KG20 T203/AU1977KL51V	160 x 85 x 80	6 x 20
32	11	6	KG32 T203/AU1508 KS51V	120 x 85 x 80	6 x 20
40	15	16	KG41 K300*AU0162*KL12	190 x 100 x 90	6 x 25
40	15	16	KG41B K300*AU0152*KL12(1)	250 x 145 x 100	6 x 25
63	22	16	KG64 K300*AU0162*KL12	190 x 100 x 90	6 x 25
63	22	16	KG64B K300*AU0152*KL12(1)	250 x 145 x 100	6 x 25
80	30	35	KG80 K300*AU0163*KL12	250 x 145 x 100	6 x 25
80	30	35	KG80 K300*AU0153*6FE (1)	280 x 190 x 130	Blank
100	37	35	KG100 K300*AU0163*KL12	250 x 145 x 100	6 x 25
100	37	35	KG100 K300*AU0153*6FE(1)	280 x 190 x 130	Blank
125	45	50	KG105 K300*AU0153*6FE	280 x 190 x 130	Blank
125	45	95	KG126 K300*AU0761*6FE	380 x 280 x 180	Blank
160	55	95	KG161 K300*AU0761*6FE	380 x 280 x 180	Blank
200	75	185	KG211 K300*AU0761*6FE	380 x 280 x 180	Blank
250	90	185	KG251 K300*AU0171*6FE	380 x 280 x 230	Blank

(1) Denotes switch is same size as above, enclosure is larger

6CL ENCLOSURE

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER	ENCLOSURE DIMENSIONS H x W x D mm	THREADED ENTRIES mm
20	5.5	2.5	KG10B K300*AU1493*6CL(2)	98 x 98 x 91 Orange	2 x 25 & 1 x 32
20	5.5	2.5	KG10B K300*AU1494*6CL(2)	98 x 98 x 91 L/Grey	2 x 25 & 1 x 32
25	7.5	6	KG20B K300*AU1493*6CL(2)	98 x 98 x 91 Orange	2 x 25 & 1 x 32
25	7.5	6	KG20B K300*AU1494*6CL(2)	98 x 98 x 91 L/Grey	2 x 25 & 1 x 32
32	11	6	KG32B K300*AU1493*6CL(2)	98 x 98 x 91 Orange	2 x 25 & 1 x 32
32	11	6	KG32B K300*AU1494*6CL(2)	98 x 98 x 91 L/Grey	2 x 25 & 1 x 32
40	15	16	KG41B K300*AUN0268*6CL(3)	198 x 98 x 128 Orange	2 x 25 & 1 x 32
40	15	16	KG41B K300*AUN0267*6CL(3)	198 x 98 x 128 L/Grey	2 x 25 & 1 x 32
63	22	16	KG64B K300*AUN0268*6CL(3)	198 x 98 x 128 Orange	2 x 25 & 1 x 32
63	22	16	KG64B K300*AUN0267*6CL(3)	198 x 98 x 128 L/Grey	2 x 25 & 1 x 32

(2) Lid mount

(3) Base mount

Notes:

- Available on request Stop/Start pushbuttons, control switches, stainless steel padlock device, terminals, control wiring, labels.
- For 6CL enclosure, base mount below KG32B is available on request.

Refer to page 10 for typical enclosure photos

OFF-ON PLASTIC ENCLOSURE

3 POLE + 1NO/1NC AUX

Features:

Padlockable Handle & Plastic Enclosure IP65/66
'Normally Open' contact included is early break late make

KS, KL & 6FE ENCLOSURES

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER (Switch-Base-Mount)	ENCLOSURE DIMENSIONS H x W x D mm	KNOCK-OUT & BLANK ENTRIES mm
20	5.5	2.5	KG10 T203/AUN0269*KS51V	120 x 85 x 80	6 x 20
25	7.5	6	KG20 K302*AU0161*KL52	160 x 85 x 80	6 x 20
25	7.5	6	KG20B K302*AU0160*KL12(1)	190 x 100 x 90	6 x 25
32	11	6	KG32 K302*AU0161*KL52	160 x 85 x 80	6 x 20
32	11	6	KG32B K302*AU0160*KL12(1)	190 x 100 x 90	6 x 25
40	15	16	KG41 K302*AU0162*KL12	190 x 100 x 90	6 x 25
40	15	16	KG41B K302*AU0152*KL12(1)	250 x 145 x 100	6 x 25
63	22	16	KG64 K302*AU0162*KL12	190 x 100 x 90	6 x 25
63	22	16	KG64B K302*AU0152*KL12(1)	250 x 145 x 100	6 x 25
80	30	35	KG80 K302*AU0163*KL12	250 x 145 x 100	6 x 25
80	30	35	KG80 K302*AU0153*6FE(1)	280 x 190 x 130	Blank
100	37	35	KG100 K302*AU0163*KL12	250 x 145 x 100	6 x 25
100	37	35	KG100 K302*AU0153*6FE(1)	280 x 190 x 130	Blank
125	45	50	KG105 K302*AUN0153*6FE	280 x 190 x 130	Blank
125	45	95	KG126 K302*AU0761*6FE	380 x 280 x 180	Blank
160	55	95	KG161 K302*AU0761*6FE	380 x 280 x 180	Blank
200	75	185	KG211 K302*AU0761*6FE	380 x 280 x 180	Blank

(1) Denotes switch is same size as above, enclosure is larger

6CL & PFE1 ENCLOSURES

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER	ENCLOSURE DIMENSIONS H x W x D mm	THREADED ENTRIES mm
20	5.5	2.5	KG10B K302*AU1491*6CL(2)	98 x 98 x 91 Orange	2 x 25 & 1 x 32
20	5.5	2.5	KG10B K302*AU1492*6CL(2)	98 x 98 x 91 L/Grey	2 x 25 & 1 x 32
25	7.5	6	KG20A T203/AU1902*PFE1(3)	135 x 92 x 91	4 x 25
25	7.5	6	KG20B K302*AU1491*6CL(2)	98 x 98 x 91 Orange	2 x 25 & 1 x 32
25	7.5	6	KG20B K302*AU1492*6CL(2)	98 x 98 x 91 L/Grey	2 x 25 & 1 x 32
32	11	6	KG32A T203/AU1902*PFE1(3)	135 x 92 x 91	4 x 25
32	11	6	KG32B K302*AU1491*6CL(2)	98 x 98 x 91 Orange	2 x 25 & 1 x 32
35	11	6	KG32B K302*AU1492*6CL(2)	98 x 98 x 91 L/Grey	2 x 25 & 1 x 32
40	15	16	KG41 K302-921*PFE1 AUS0001(3)	135 x 92 x 91	4 x 25
40	15	16	KG41B K302*AUN0273*6CL(3)	198 x 98 x 128 Orange	2 x 25 & 1 x 32
40	15	16	KG41B K302*AUN0272*6CL(3)	198 x 98 x 128 L/Grey	2 x 25 & 1 x 32
63	22	16	KG64B K302*AUN0273*6CL(03)	198 x 98 x 128 Orange	2 x 25 & 1 x 32
63	22	16	KG64B K302*AUN0272*6CL(03)	198 x 98 x 128 L/Grey	2 x 25 & 1 x 32

(2) Lid mount

(3) Base mount

Notes:

- Available on request Stop/Start pushbuttons, control switches, stainless steel padlock device, terminals, control wiring, labels.
- For 6CL enclosure, base mount below KG32B is available on request.

Refer to page 10 for typical enclosure photos

OFF-ON PLASTIC ENCLOSURE

4 POLE

Features:

Padlockable Handle & Plastic Enclosure IP65/66

KS, KL & 6FE ENCLOSURES

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER (Switch-Base-Mount)	ENCLOSURE DIMENSIONS H x W x D mm	KNOCK-OUT & BLANK ENTRIES mm
20	5.5	2.5	KG10 T204/33 KS51V	120 x 85 x 80	6 x 20
16	7.5	6	KH16 T204/33 KS51V	120 x 85 x 80	6 x 20
25	12	6	KH25 T204/33 KL11V	160 x 85 x 80	6 x 25
32	16	10	KH32 T204/33 KL11V	160 x 85 x 80	6 x 25
40	20	10	KH40 T204/33 KL11V	160 x 85 x 80	6 x 25
63	30	35	KH63 T204/33 KL71V	190 x 100 x 90	4 x 40 & 2 x 25
80	40	35	KH80 T204/33 KL71V	250 x 145 x 100	4 x 40 & 2 x 25
100	37	35	KG100 T204/33 KL71V	250 x 145 x 100	4 x 40 & 2 x 25
100	37	35	KG100 K400*AU0153*6FE(1)	280 x 190 x 130	Blank
125	45	50	KG105 K400*AU0153*6FE	280 x 190 x 130	Blank
125	45	95	KG126 K400*AU0761*6FE	380 x 280 x 180	Blank
160	55	95	KG161 K400 *AU0761*6FE	380 x 280 x 180	Blank
200	75	185	KG211 K400*AU0761*6FE	380 x 280 x 180	Blank
250	90	185	KG251 K400*AU0171*6FE	380 x 280 x 230	Blank

(1) Denotes switch is same size as above, enclosure is larger

6CL ENCLOSURE

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER	ENCLOSURE DIMENSIONS H x W x D mm	THREADED ENTRIES mm
20	5.5	2.5	KG10B K400*AU1493*6CL(2)	98 x 98 x 91 Orange	2 x 25 & 1 x 32
20	5.5	2.5	KG10B K400*AU1494*6CL(2)	98 x 98 x 91 L/Grey	2 x 25 & 1 x 32
25	7.5	6	KG20B K400*AU1493*6CL(2)	98 x 98 x 91 Orange	2 x 25 & 1 x 32
25	7.5	6	KG20B K400*AU1494*6CL(2)	98 x 98 x 91 L/Grey	2 x 25 & 1 x 32
32	11	6	KG32B K400*AUN0273*6CL(3)	198 x 98 x 91 Orange	2 x 25 & 1 x 32
32	11	6	KG32B K400*AUN0272*6CL(3)	198 x 98 x 91 L/Grey	2 x 25 & 1 x 32
40	15	16	KG41B K400*AUN0273*6CL(3)	198 x 98 x 128 Orange	2 x 25 & 1 x 32
40	15	16	KG41B K400*AUN0272*6CL(3)	198 x 98 x 128 L/Grey	2 x 25 & 1 x 32
63	22	16	KG64B K400*AUN0273*6CL(3)	198 x 98 x 128 Orange	2 x 25 & 1 x 32
63	22	16	KG64B K400*AUN0274*6CL(3)	198 x 98 x 128 L/Grey	2 x 25 & 1 x 32

(2) Lid mount

(3) Base mount

Notes:

1. Available on request Stop/Start pushbuttons, control switches, stainless steel padlock device, terminals, control wiring, labels.
2. For 6CL enclosure, base mount below KG20B is available on request.

Refer to page 10 for typical enclosure photos

OFF-ON PLASTIC ENCLOSURE

4 POLE + 1NO/1NC AUX

Features:

Padlockable Handle & Plastic Enclosure IP65/66
 "Normally Open" contact included is early break and late make

KS, KL & 6FE ENCLOSURES

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER (Switch-Base-Mount)	ENCLOSURE DIMENSIONS H x W x D mm	KNOCK-OUT & BLANK ENTRIES mm
20	5.5	2.5	KG10 T204/40 KS51V	120 x 85 x 80	6 x 20
16	7.5	6	KH16 T204/40 KS51V	120 x 85 x 80	6 x 20
25	12	6	KH25 T204/40 KL11V	160 x 85 x 80	6 x 25
32	16	10	KH32 T204/40 KL11V	160 x 85 x 80	6 x 25
40	20	10	KH40 T204/40 KL11V	160 x 85 x 80	6 x 25
63	30	35	KH63 T204/40 KL71V	190 x 100 x 90	4 x 40 & 2 x 25
80	40	35	KH80 T204/40 KL71V	250 x 145 x 100	4 x 40 & 2 x 25
100	37	35	KG100 T204/40 KL71V	250 x 145 x 100	4 x 40 & 2 x 25
100	37	35	KG100 K402*AU0153*6FE(1)	280 x 190 x 130	Blank
125	45	50	KG105 K402*AU0153*6FE	280 x 190 x 130	Blank
125	45	95	KG126 K402*AU0761*6FE	380 x 280 x 180	Blank
160	55	95	KG161 K402 *AU0761*6FE	380 x 280 x 180	Blank
200	75	185	KG211 K402*AU0761*6FE	380 x 280 x 180	Blank
250	90	185	KG251 K402*AU0171*6FE	380 x 280 x 230	Blank

(1) Denotes switch is same size as above, enclosure is larger

6CL ENCLOSURE

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER	ENCLOSURE DIMENSIONS H x W x D mm	THREADED ENTRIES mm
20	5.5	2.5	KG10B K402*AU1493*6CL(2)	98 x 98 x 91 Orange	2 x 25 & 1 x 32
20	5.5	2.5	KG10B K402*AU1494*6CL(2)	98 x 98 x 91 L/Grey	2 x 25 & 1 x 32
25	7.5	6	KG20B K402*AU1493*6CL(2)	98 x 98 x 91 Orange	2 x 25 & 1 x 32
25	7.5	6	KG20B K402*AU1494*6CL(2)	98 x 98 x 91 L/Grey	2 x 25 & 1 x 32
32	11	6	KG32B K402*AUN0273*6CL(3)	198 x 98 x 91 Orange	2 x 25 & 1 x 32
32	11	6	KG32B K402*AUN0272*6CL(3)	198 x 98 x 91 L/Grey	2 x 25 & 1 x 32
40	15	16	KG41B K402*AUN0273*6CL(3)	198 x 98 x 128 Orange	2 x 25 & 1 x 32
40	15	16	KG41B K402*AUN0272*6CL(3)	198 x 98 x 128 L/Grey	2 x 25 & 1 x 32
63	22	16	KG64B K402*AUN0273*6CL(3)	198 x 98 x 128 Orange	2 x 25 & 1 x 32
63	22	16	KG64B K402*AUN0272*6CL(3)	198 x 98 x 128 L/Grey	2 x 25 & 1 x 32

(2) Lid mount

(3) Base mount

Notes:

- Available on request Stop/Start pushbuttons, control switches, stainless steel padlock device, terminals, control wiring, labels.
- For 6CL enclosure, base mount below KG20B is available on request.

Refer to page 10 for typical enclosure photos

OFF-ON PLASTIC ENCLOSURE

6 POLE + 1NO/1NC AUX

Features:

Padlockable Handle & Plastic Enclosure IP65/66

"Normally Open" contact included is early break and late make

AC-21A	AC-23A/ AC-22(1) at 415V kW	CABLE SIZE mm ²	CODE NUMBER (Switch-Base-Mount) mm		ENCLOSURE DIMENSIONS H x W x D mm	KNOCK-OUT & BLANK ENTRIES mm
25	7.5 / 11	6	KG20B	K602*AU0154*KL12	190 x 100 x 90	6 x 25
32	11 / 15	6	KG32B	K602*AU0154*KL12	190 x 100 x 90	6 x 25
40	15 / 22	16	KG41B	K602*AU0155*KL12	250 x 145 x 100	6 x 25
63	22 / 30	16	KG64B	K602*AU0155*KL12	250 x 145 x 100	6 x 25
80	30 / 45	35	KG80	K602*AU0156*6FE	280 x 190 x 130	Blank
100	37 / 55	35	KG100	K602*AU0156*6FE	280 x 190 x 130	Blank
125	45 / 70	95	KG126	K602*AU1475*6FE	560 x 380 x 180	Blank
160	55 / 90	95	KG161	K602*AU1475*6FE	560 x 380 x 180	Blank

(1) AC22 rating for isolation of 6 pole star delta motor.

Notes:

1. Available on request Stop/Start pushbuttons, control switches, stainless steel padlock device, terminals, control wiring, labels.



OFF-ON METAL ENCLOSURE (POWDER COATED)

3 POLE

Features:
Padlockable Handle & Metal Enclosure IP65

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER (Switch-Base-Mount)	ENCLOSURE DIMENSIONS H x W x D mm	ENTRIES
20	5.5	2.5	KG10B K300*AUN0275*6KL	150 x 150 x 120	Blank
25	7.5	6	KG20B K300*AUN0275*6KL	150 x 150 x 120	Blank
32	11	6	KG32B K300*AUN0275*6KL	150 x 150 x 120	Blank
40	15	16	KG41B K300*AUN0275*6KL	150 x 150 x 120	Blank
63	22	16	KG64B K300*AUN0275*6KL	150 x 150 x 120	Blank
80	30	35	KG80 K300*AUN0276*6AE	300 x 200 x 155	Blank
100	37	35	KG100 K300*AUN0276*6AE	300 x 200 x 155	Blank
125	45	50	KG105 K300*AUN0276*6AE	300 x 200 x 155	Blank
125	45	95	KG126 K300*AU1832*6AE	300 x 300 x 210	Blank
160	55	95	KG161 K300*AU1832*6AE	300 x 300 x 210	Blank
200	75	185	KG211 K300*AUN0277*6NI	400 x 300 x 200	Blank
250	90	185	KG251 K300*AUN0277*6NI	400 x 300 x 200	Blank
315	110	185	KG316 K300*AUN0277*6NI	400 x 300 x 200	Blank
400	220	240	6KE401 K300*AUN0278*6AE	600 x 380 x 210	Blank
630	280	2x300	6KE631 K300*AUN0278*6AE	600 x 380 x 210	Blank
800	425	2x300	6KE801 K300*AUN0279*6AE	760 x 600 x 350	Blank
1250	530	4x185	6KE1251 K300*AUN0280*6AE	1000 x 800 x 300	Blank

3 POLE + 1NO/1NC AUX

Features:
Padlockable Handle & Metal Enclosure IP65
"Normally Open" contact included on KG switch is early break and late make

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER (Switch-Base-Mount)	ENCLOSURE DIMENSIONS H x W x D mm	ENTRIES
20	5.5	2.5	KG10B K302*AUN0275*6KL	150 x 150 x 120	Blank
25	7.5	6	KG20B K302*AUN0275*6KL	150 x 150 x 120	Blank
35	11	6	KG32B K302*AUN0275*6KL	150 x 150 x 120	Blank
40	15	16	KG41B K302*AUN0275*6KL	150 x 150 x 120	Blank
63	22	16	KG64B K302*AUN0275*6KL	150 x 150 x 120	Blank
80	30	35	KG80 K302*AUN0276*6AE	300 x 200 x 155	Blank
100	37	35	KG100 K302*AUN0276*6AE	300 x 200 x 155	Blank
125	45	50	KG105 K302*AUN0276*6AE	300 x 200 x 155	Blank
125	45	95	KG126 K302*AU1832*6AE	300 x 300 x 210	Blank
160	55	95	KG161 K302*AU1832*6AE	300 x 300 x 210	Blank
200	75	185	KG211 K302*AUN0277*6NI	400 x 300 x 200	Blank
250	90	185	KG251 K302*AUN0277*6NI	400 x 300 x 200	Blank
315	110	185	KG316 K302*AUN0277*6NI	400 x 300 x 200	Blank
400	220	240	6KE401 K302*AUN0278*6AE	600 x 380 x 210	Blank
630	280	2x300	6KE631 K302*AUN0278*6AE	600 x 380 x 210	Blank
800	425	2x300	6KE801 K302*AUN0279*6AE	760 x 600 x 350	Blank
1250	530	4x185	6KE 1251 K302*AUN0280*6AE	1000 x 800 x 300	Blank

Notes:

1. Available on request Stop/Start pushbuttons, control switches, stainless steel padlock device, terminals, control wiring, labels.

Refer to page 13 for typical enclosure photos

OFF-ON METAL ENCLOSURE (POWDER COATED)

4 POLE

Features:

Padlockable Handle & Metal Enclosure IP65

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER (Switch-Base-Mount)	ENCLOSURE DIMENSIONS H x W x D mm	ENTRIES
20	5.5	2.5	KG10B K400*AUN0275*6KL	150 x 150 x 120	Blank
25	7.5	6	KG20B K400*AUN0275*6KL	150 x 150 x 120	Blank
32	11	6	KG32B K400*AUN0275*6KL	150 x 150 x 120	Blank
40	15	16	KG41B K400*AUN0275*6KL	150 x 150 x 120	Blank
63	22	16	KG64B K400*AUN0275*6KL	150 x 150 x 120	Blank
80	30	35	KG 80 K400*AUN0276*6AE	300 x 200 x 155	Blank
100	37	35	KG100 K400*AUN0276*6AE	300 x 200 x 155	Blank
125	45	50	KG105 K400*AUN0276*6AE	300 x 200 x 155	Blank
125	45	95	KG126 K400*AU1832*6AE	300 x 300 x 210	Blank
160	55	95	KG161 K400*AU1832*6AE	300 x 300 x 210	Blank
200	75	185	KG211 K400*AUN0277*6NI	400 x 300 x 200	Blank
250	90	185	KG251 K400*AUN0277*6NI	400 x 300 x 200	Blank
315	110	185	KG316 K400*AUN0277*6NI	400 x 300 x 200	Blank
400	220	240	6KE401 K400*AUN0278*6AE	600 x 380 x 210	Blank
630	280	2x300	6KE631 K400*AUN0278*6AE	600 x 380 x 210	Blank
800	425	2x300	6KE801 K400*AUN0279*6AE	760 x 600 x 350	Blank
1250	530	4x185	6KE1251 K400*AUN0280*6AE	1000 x 800 x 300	Blank

4 POLE + 1NO/1NC AUX

Features:

Padlockable Handle & Metal Enclosure IP65

"Normally Open" contact included on KG switch is early break and late make

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER (Switch-Base-Mount)	ENCLOSURE DIMENSIONS H x W x D mm	ENTRIES
20	5.5	2.5	KG10B K402*AUN0275*6KL	150 x 150 x 120	Blank
25	7.5	6	KG20B K402*AUN0275*6KL	150 x 150 x 120	Blank
32	11	6	KG32B K402*AUN0275*6KL	150 x 150 x 120	Blank
40	15	16	KG41B K402*AUN0275*6KL	150 x 150 x 120	Blank
63	22	16	KG64B K402*AUN0275*6KL	150 x 150 x 120	Blank
80	40	35	KG 80 K402*AUN0276*6AE	300 x 200 x 155	Blank
100	37	35	KG100 K402*AUN0276*6AE	300 x 200 x 155	Blank
125	45	50	KG105 K402*AUN0276*6AE	300 x 200 x 155	Blank
125	45	95	KG126 K402*AU1832*6AE	300 x 300 x 210	Blank
160	55	95	KG161 K402*AU1832*6AE	300 x 300 x 210	Blank
200	75	185	KG211 K402*AUN0277*6NI	400 x 300 x 200	Blank
250	90	185	KG251 K402*AUN0277*6NI	400 x 300 x 200	Blank
315	110	185	KG316 K402*AUN0277*6NI	400 x 300 x 200	Blank
400	220	240	6KE401 K402*AUN0278*6AE	600 x 380 x 210	Blank
630	280	2x300	6KE631 K402*AUN0278*6AE	600 x 380 x 210	Blank
800	425	2x300	6KE801 K402*AUN0279*6AE	760 x 600 x 350	Blank
1250	530	4x185	6KE1251 K402*AUN0280*6AE	1000 x 800 x 300	Blank

Notes:

1. Available on request Stop/Start pushbuttons, control switches, stainless steel padlock device, terminals, control wiring, labels.

Refer to page 13 for typical enclosure photos

OFF-ON METAL ENCLOSURE (POWDER COATED)

6 POLE + 1NO/1NC AUX

Features:

Padlockable Handle & Metal Enclosure IP65

"Normally Open" contact included is early break and late make

AC-21A Amp	AC-23A/ AC22 ⁽¹⁾ at 415V kW	CABLE SIZE mm ²	CODE NUMBER (Switch-Base-Mount)		ENCLOSURE DIMENSIONS H x W x D mm	ENTRIES
25	7.5 / 11	6	KG20B	K602*AUN0283*6AE	300 x 200 x 120	Blank
32	11 / 15	6	KG32B	K602*AUN0283*6AE	300 x 200 x 120	Blank
40	15/ 22	16	KG41B	K602*AUN0283*6AE	300 x 200 x 120	Blank
63	22 / 30	16	KG64B	K602*AUN0283*6AE	300 x 200 x 120	Blank
80	30 / 45	35	KG80	K602*AUN0284*6NI	400 x 300 x 200	Blank
100	37 / 55	35	KG100	K602*AUN0284*6NI	400 x 300 x 200	Blank
125	45 / 70	95	KG126	K602*AUN0285*6AE	600 x 380 x 210	Blank
160	55 / 90	95	KG161	K602*AUN0285*6AE	600 x 380 x 210	Blank

(1) AC22 rating for isolation of 6 pole star delta motor.

Notes:

1. Available on request Stop/Start pushbuttons, control switches, stainless steel padlock device, terminals, control wiring, labels.



ENCL: 6AE

OFF-ON METAL ENCLOSURE (POWDER COATED)

ALSO AVAILABLE IN MARINE GRADE 316 STAINLESS STEEL

RIGHT ANGLE DRIVE 3 POLE

Features:

Padlockable Handle & Metal Enclosure IP65

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER (Switch-Base-Mount)	ENCLOSURE DIMENSIONS H x W x D mm	ENTRIES
125	45	95	KG126 K300*AUN0281*6AE	380 x 380 x 250	Blank
160	55	95	KG161 K300*AUN0281*6AE	380 x 380 x 250	Blank
200	75	185	KG211 K300*AUN0281*6AE	380 x 380 x 250	Blank
250	90	185	KG251 K300*AUN0281*6AE	380 x 380 x 250	Blank
315	110	185	KG316 K300*AUN0281*6AE	380 x 380 x 250	Blank

RIGHT ANGLE DRIVE 3 POLE+ 1NO/1NC

Features:

Padlockable Handle & Metal Enclosure IP65

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER (Switch-Base-Mount)	ENCLOSURE DIMENSIONS H x W x D mm	ENTRIES
125	45	95	KG126 K302*AUN0281*6AE	380 x 380 x 250	Blank
160	55	95	KG161 K302*AUN0281*6AE	380 x 380 x 250	Blank
200	75	185	KG211 K302*AUN0281*6AE	380 x 380 x 250	Blank
250	90	185	KG251 K302*AUN0281*6AE	380 x 380 x 250	Blank
315	110	185	KG316 K302*AUN0281*6AE	380 x 380 x 250	Blank

RIGHT ANGLE DRIVE 4 POLE

Features:

Padlockable Handle & Metal Enclosure IP65

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER (Switch-Base-Mount)	ENCLOSURE DIMENSIONS H x W x D mm	ENTRIES
125	45	95	KG126 K400*AUN0281*6AE	380 x 380 x 250	Blank
160	55	95	KG161 K400*AUN0281*6AE	380 x 380 x 250	Blank
200	75	185	KG211 K400*AUN0281*6AE	380 x 380 x 250	Blank
250	90	185	KG251 K400*AUN0281*6AE	380 x 380 x 250	Blank
315	110	185	KG316 K400*AUN0281*6AE	380 x 380 x 250	Blank

Notes:

1. Available on request Stop/Start pushbuttons, control switches, stainless steel padlock device, terminals, control wiring, labels.

Refer to page 15 for typical enclosure photo

OFF-ON METAL ENCLOSURE (POWDER COATED)

ALSO AVAILABLE IN MARINE GRADE 316 STAINLESS STEEL

RIGHT ANGLE DRIVE 4 POLE + 1NO/1NC

Features:

Padlockable Handle & Metal Enclosure IP65

"Normally Open" contact included is early break and late make

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER (Switch-Base-Mount)	ENCLOSURE DIMENSIONS H x W x D mm	ENTRIES
125	45	95	KG126 K402*AUN0281*6AE	380 x 380 x 250	Blank
160	55	95	KG161 K402*AUN0281*6AE	380 x 380 x 250	Blank
200	75	185	KG211 K402*AUN0281*6AE	380 x 380 x 250	Blank
250	90	185	KG251 K402*AUN0281*6AE	380 x 380 x 250	Blank
315	110	185	KG316 K402*AUN0281*6AE	380 x 380 x 250	Blank

RIGHT ANGLE DRIVE 6 POLE + 1NO/1NC AUX

Features:

Padlockable Handle & Metal Enclosure IP65

"Normally Open" contact included is early break and late make

AC-21A Amp	AC-23A AC22 ⁽¹⁾ at 415V kW	CABLE SIZE mm ²	CODE NUMBER (Switch-Base-Mount)	ENCLOSURE DIMENSIONS H x W x D mm	ENTRIES
125	45 / 70	95	KG126 K602*AUN0281*6AE	600 x 600 x 270	Blank
160	55 / 90	95	KG161 K602*AUN0281*6AE	600 x 600 x 270	Blank

(1) AC22 rating for isolation of 6 pole star delta motor.

Notes:

1. Available on request Stop/Start pushbuttons, control switches, stainless steel padlock device, terminals, control wiring, labels.



ENCL: 6AE

OFF-ON STAINLESS STEEL ENCLOSURE (MARINE GRADE 316)

3 POLE + 1NO/1NC AUX



Features:

Padlockable Handle & Stainless Steel Enclosure IP65

NON INTERLOCKED door clutch

Screw fixed enclosure cover

"Normally Open" contact included is early break and late make

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER 12 o'cl. 'OFF' (Base Mount)		CODE NUMBER 9 o'cl. 'OFF' (Base Mount)		ENCLOSURE DIMENSIONS H x W x D mm	ENTRIES
25	7.5	6	KG20A K302*AU0809*6SS0		KG20A K302*AU1265*6SS0		208 x 113 x100	Blank
32	11	6	KG32A K302*AU0809*6SS0		KG32A K302*AU1265*6SS0		208 x 113 x100	Blank
40	15	16	KG41B K302*AU0220*6SS1		KG41B K302*AU0223*6SS1		240 x 140 x120	Blank
63	22	16	KG64B K302*AU0220*6SS1		KG64B K302*AU0223*6SS1		240 x 140 x120	Blank
80	30	35	KG80 K302*AU0221*6SS1		KG80 K302*AU0224*6SS1		240 x 140 x120	Blank
100	37	35	KG100 K302*AU0221*6SS1		KG100 K302*AU0224*6SS1		240 x 140 x120	Blank
125	45	95	KG126 K302*AU0222*6SS2		KG126 K302*AU0225*6SS2		350 x 230 x170	Blank
160	55	95	KG161 K302*AU0222*6SS2		KG161 K302*AU0225*6SS2		350 x 230 x170	Blank



ENCL: 6SS



ENCL: 6SH

3 POLE + 1NO/1NC AUX



Features:

Padlockable Handle & Stainless Steel Enclosure IP65

NON INTERLOCKED door clutch

Hinged door

"Normally Open" contact included is early break and late make

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER 12 o'cl. 'OFF' (Base Mount)		CODE NUMBER 9 o'cl. 'OFF' (Base Mount)		ENCLOSURE DIMENSIONS H x W x D mm	ENTRIES
40	15	16	KG41B K302*AU0226*6SH1		KG41B K302*AU0231*6SH1		300 x 220 x122	Blank
63	22	16	KG64B K302*AU0226*6SH1		KG64B K302*AU0231*6SH1		300 x 220 x122	Blank
80	30	35	KG80 K302*AU0227*6SH1		KG80 K302*AU0229*6SH1		300 x 220 x122	Blank
100	37	35	KG100 K302*AU0228*6SH1		KG100 K302*AU0229*6SH1		300 x 220 x122	Blank
125	45	95	KG126 K302*AU0228*6SH2		KG126 K302*AU0230*6SH2		375 x 270x170	Blank
160	55	95	KG161 K302*AU0228*6SH2		KG161 K302*AU0230*6SH2		375 x 270 x170	Blank
250	90	185	KG251 K302*AU0232*6SH3		KG251 K302*AU0233*6SH3		500 x 320 x175	Blank
315	110	185	KG316 K302*AU0232*6SH3		KG316 K302*AU0233*6SH3		500 x 320 x175	Blank

Notes:

1. Available on request Stop/Start pushbuttons, control switches, stainless steel padlock device, terminals, control wiring, labels.
2. Optional 2 n/o auxiliary contacts – for this option substitute K312 for K302 in catalogue number.
3. Add 60mm to the enclosure height for external mounting flanges

OFF-ON STAINLESS STEEL ENCLOSURE (MARINE GRADE 316)

3 POLE + 1NO/1NC AUX

Features:



Padlockable Handle
& Stainless Steel Enclosure IP65

Hinged door

Intergrated Rain Hood

NON INTERLOCKED door clutch

"Normally Open" contact included is early break and late make

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER 12 o'cl. 'OFF' (Base Mount)		CODE NUMBER 9 o'cl. 'OFF' (Base Mount)		ENCLOSURE DIMENSIONS H x W x D mm	ENTRIES
40	15	16	KG41B K302*AU0226*6SH1R		KG41B K302*AU0231*6SH1R		426 x 220 x 122	Blank
63	22	16	KG64B K302*AU0226*6SH1R		KG64B K302*AU0231*6SH1R		426 x 220 x 122	Blank
80	30	35	KG80 K302*AU0227*6SH1R		KG80 K302*AU0229*6SH1R		426 x 220 x 122	Blank
100	37	35	KG100 K302*AU0228*6SH1R		KG100 K302*AU0229*6SH1R		426 x 220 x 122	Blank
125	45	95	KG126 K302*AU0228*6SH2R		KG126 K302*AU0230*6SH2R		532 x 270 x 170	Blank
160	55	95	KG161 K302*AU0228*6SH2R		KG161 K302*AU0230*6SH2R		532 x 270 x 170	Blank
250	90	185	KG251 K302*AU0232*6SH3R		KG251 K302*AU0233*6SH3R		668 x 320 x 175	Blank
315	110	185	KG316 K302*AU0232*6SH3R		KG316 K302*AU0233*6SH3R		668 x 320 x 175	Blank

Notes:

1. Available on request Stop/Start pushbuttons, control switches, stainless steel padlock device, terminal, control wiring, labels.
2. Optional 2 n/o auxiliary contacts – for this option substitute K312 for K302 in catalogue number.
3. Add 60mm to the enclosure height for external mounting flanges



ENCL: 6SH1R

OFF-ON STAINLESS STEEL ENCLOSURE (MARINE GRADE 316)

3 POLE + 1NO/1NC AUX



Features:

Padlockable Handle & Stainless Steel Enclosure IP65

Hinged door

INTERLOCKED door clutch

"Normally Open" contact included is early break and late make

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER 12 o'cl. 'OFF' (Base Mount)		CODE NUMBER 9 o'cl. 'OFF' (Base Mount)		ENCLOSURE DIMENSIONS H x W x D mm	ENTRIES
40	15	16	KG41B K302*AU1150*6SH1		KG41B K302*AU1261*6SH1		300 x 220 x 122	Blank
63	22	16	KG64B K302*AU1150*6SH1		KG64B K302*AU1261*6SH1		300 x 220 x 122	Blank
80	30	35	KG80 K302*AU1148*6SH1		KG80 K302*AU1262*6SH1		300 x 220 x 122	Blank
100	37	35	KG100 K302*AU1148*6SH1		KG100 K302*AU1262*6SH1		300 x 220 x 122	Blank
125	45	95	KG126 K302*AU1145*6SH2		KG126 K302*AU1263*6SH2		375 x 270 x 170	Blank
160	55	95	KG161 K302*AU1145*6SH2		KG161 K302*AU1263*6SH2		375 x 270 x 170	Blank
250	90	185	KG251 K302*AU1151*6SH3		KG251 K302*AU1264*6SH3		500 x 320 x 175	Blank
315	110	185	KG316 K302*AU1151*6SH3		KG316 K302*AU1264*6SH3		500 x 320 x 175	Blank



ENCL: 6SH

3 POLE + 1NO/1NC AUX

Features:

Padlockable Handle

& Stainless Steel Enclosure IP65 Hinged door



Integrated Rain Hood

INTERLOCKED door clutch

"Normally Open" contact included is early break and late make



ENCL: 6SH1R

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER 12 o'cl. 'OFF' (Base Mount)		CODE NUMBER 9 o'cl. 'OFF' (Base Mount)		ENCLOSURE DIMENSIONS H x W x D mm	ENTRIES
40	15	16	KG41B K302*AU1150*6SH1R		KG41B K302*AU1261*6SH1R		426 x 220 x 122	Blank
63	22	16	KG64B K302*AU1150*6SH1R		KG64B K302*AU1261*6SH1R		426 x 220 x 122	Blank
80	30	35	KG80 K302*AU1148*6SH1R		KG80 K302*AU1262*6SH1R		426 x 220 x 122	Blank
100	37	35	KG100 K302*AU1148*6SH1R		KG100 K302*AU1262*6SH1R		426 x 220 x 122	Blank
125	45	95	KG126 K302*AU1145*6SH2R		KG126 K302*AU1263*6SH2R		532 x 270 x 170	Blank
160	55	95	KG161 K302*AU1145*6SH2R		KG161 K302*AU1263*6SH2R		532 x 270 x 170	Blank
250	90	185	KG251 K302*AU1151*6SH3R		KG251 K302*AU1264*6SH3R		668 x 320 x 175	Blank
315	110	185	KG316 K302*AU1151*6SH3R		KG316 K302*AU1264*6SH3R		668 x 320 x 175	Blank

Notes:

1. Available on request Stop/Start pushbuttons, control switches, stainless steel padlock device, terminals, control wiring, labels.
2. Optional 2 n/o auxiliary contacts – for this option substitute K312 for K302 in catalogue number.
3. Add 60mm to the enclosure height for external mounting flanges

CHANGE-OVER PLASTIC OR METAL ENCLOSURE

2 POLE CHANGE OVER

Features:
Centre "Off"
Enclosure IP65

AC-21A Amp	AC-23A at 240V 2 Pole kW	CABLE SIZE mm ²	CODE NUMBER (Engraved 1-OFF -2 & Base Mount)	CODE NUMBER (Eng: Mains-OFF-Gen & Base Mount)	ENCLOSURE DIMENSIONS H x W x D mm	KNOCK-OUT & BLANK ENTRIES mm
16	2	6	KH16B T902*AUN0290 VE	KH16B T902*AU2145 VE	195 X 98 X 91 L/Grey	2 x 25 & 1x32
25	3.3	6	KH25B T902*AUN0290 VE	KH25B T902*AU2145 VE	195 X 98 X 91 L/Grey	2 x 25 & 1x32
32	4.2	10	KH32 T902*AUN0290 VE	KH32 T902*AU2145 VE	195 X 98 X 91 L/Grey	2 x 25 & 1x32
40	5.5	10	KH40 T902*AUN0290 VE	KH40 T902*AU2145 VE	195 X 98 X 91 L/Grey	2 x 25 & 1x32
63	8.5	35	KH63 T902*AUN0290 VE	KH63 T902*AU2145 VE	190 X 190 X 130	Blank
80	11	35	KH80 T902*AUN0290 VE	KH80 T902*AU2145 VE	190 X 190 X 130	Blank

3 POLE CHANGE OVER

Features:
Centre "Off"
Enclosure IP65

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER (Engraved 1-OFF -2 & Base Mount)	CODE NUMBER (Eng: Mains-OFF-Aux & Base Mount)	ENCLOSURE DIMENSIONS H x W x D mm	KNOCK-OUT & BLANK ENTRIES mm
25	7.5	6	KG20B K900*AU0157*KL12	KG20B K900*AU1520*KL12	190 x 100 x 90	6 x 25
32	11	6	KG32B K900*AU0157*KL12	KG32B K900*AU1520*KL12	190 x 100 x 90	6 x 25
40	15	16	KG41B K900*AU0158*KL12	KG41B K900*AU1521*KL12	250 x 145 x 100	6 x 25
63	22	16	KG64B K900*AU0158*KL12	KG64B K900*AU1521*KL12	250 x 145 x 100	6 x 25
80	30	35	KG80 K900*AU0159*6FE	KG80 K900*AU1522*6FE	280 x 190 x 130	Blank
100	37	35	KG100 K900*AU0159*6FE	KG100 K900*AU1522*6FE	280 x 190 x 130	Blank
125	45	95	KG126 K900*AU1470*6FE	KG126 K900*AU1523*6FE	560 x 380 x 180	Blank
160	55	95	KG161 K900*AU1470*6FE	KG161 K900*AU1523*6FE	560 x 380 x 180	Blank

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER (Eng: Mains-OFF-Gen & Base Mount)	ENCLOSURE DIMENSIONS H x W x D mm	KNOCK-OUT & BLANK ENTRIES mm
25	7.5	6	KG20B K900*AUN0115*KL12	190 x 100 x 90	6 x 25
32	11	6	KG32B K900*AUN0115*KL12	190 x 100 x 90	6 x 25
40	15	16	KG41B K900*AUN0116*KL12	250 x 145 x 100	6 x 25
63	22	16	KG64B K900*AUN0116*KL12	250 x 145 x 100	6 x 25
80	30	35	KG 80 K900*AUN0117*6FE	280 x 190 x 130	Blank
100	37	35	KG100 K900*AUN0117*6FE	280 x 190 x 130	Blank
125	45	95	KG126 K900*AUN0118*6FE	560 x 380 x 180	Blank
160	55	95	KG161 K900*AUN0118*6FE	560 x 380 x 180	Blank

Notes:

1. Change over switches are available up to 1250A in 4 Pole.

Refer to page 20 for typical enclosure photos

CHANGE-OVER PLASTIC OR METAL ENCLOSURE

4 POLE CHANGE OVER

Features:
Centre "Off"
Enclosure IP65

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER (Engraved 1-OFF -2 & Base Mount)	CODE NUMBER (Eng: Mains-OFF-Aux & Base Mount)	ENCLOSURE DIMENSIONS H x W x D mm	ENTRIES
25	7.5	6	KG20B K950*AU1471*6FE	KG20B K950*AU1524*6FE	190 x 190 x 130	Blank
32	11	6	KG32B K950*AU1471*6FE	KG32B K950*AU1524*6FE	190 x 190 x 130	Blank
40	15	16	KG41B K950*AU1472*6FE	KG41B K950*AU1525*6FE	280 x 190 x 130	Blank
63	22	16	KG64B K950*AU1472*6FE	KG64B K950*AU1525*6FE	280 x 190 x 130	Blank
80	30	35	KG80 K950*AU1473*6FE	KG80 K950*AU1526*6FE	380 x 280 x 130	Blank
100	37	35	KG100 K950*AU1473*6FE	KG100 K950*AU1526*6FE	380 x 280 x 130	Blank
125	45	95	KG126 K950*AU1474*6FE	KG126 K950*AU1527*6FE	560 x 380 x 180	Blank
160	55	95	KG161 K950*AU1474*6FE	KG161 K950*AU1527*6FE	560 x 380 x 180	Blank
250	132	150	6KE252 K950*AUN0292*6AE	6KF252 K950*AUN0291*6AE	600 x 600 x 350 Metal	Blank
400	220	240	6KE402 K950*AUN0292*6IP	6KF402 K950*AUN0291*6IP	800 x 600 x 400 Metal	Blank
630	280	2x300	6KE632 K950*AUN0292*6IP	6KF632 K950*AUN0291*6IP	800 x 600 x 400 Metal	Blank
800	425	2x300	6KE802 K950*AUN0292*6IP	6KF802 K950*AUN0291*6IP	1000 x 700 x 400 Metal	Blank
1250	530	4x185	6KE1252 K950*AUN0292*6IP	6KF1252 K950*AUN0291*6IP	1000 x 700 x 400 Metal	Blank

AC-21A Amp	AC-23A at 415V kW	CABLE SIZE mm ²	CODE NUMBER (Eng: Mains-Off-Gen & Base Mount)	ENCLOSURE DIMENSIONS H x W x D mm	ENTRIES
25	7.5	6	KG20B K950*AUN0119*6FE	190 x 190 x 130	Blank
32	11	6	KG32B K950*AUN0119*6FE	190 x 190 x 130	Blank
40	15	16	KG41B K950*AUN0120*6FE	280 x 190 x 130	Blank
63	22	16	KG64B K950*AUN0120*6FE	280 x 190 x 130	Blank
80	30	35	KG80 K950*AUN0121*6FE	380 x 280 x 130	Blank
100	37	35	KG100 K950*AUN0121*6FE	380 x 280 x 130	Blank
125	45	95	KG126 K950*AUN0122*6FE	560 x 380 x 180	Blank
160	55	95	KG161 K950*AUN0122*6FE	560 x 380 x 180	Blank
250	132	150	6KE252 K950*AUN0128*6AE	600 x 600 x 350 Metal	Blank
400	220	240	6KE402 K950*AUN0129*6IP	800 x 600 x 400 Metal	Blank
630	280	2x300	6KE632 K950*AUN0289*6IP	800 x 600 x 400 Metal	Blank
800	425	2x300	6KE802 K950*AUN0289*6IP	1000 x 700 x 400 Metal	Blank
1250	530	4x185	6KE1252 K950*AUN0289*6IP	1000 x 700 x 400 Metal	Blank



ENCL: 6AE



ENCL: 6FE



ENCL: PFE



ENCL: 6CL

ENCLOSURES ONLY

PLASTIC ENCLOSURES IP66

Features:

L/grey; Excellent UV Resistance

Orange; Chemical Resistant and Excellent UV Resistance

Other Resistant types available on request

Catalogue Number	External Dimensions H x W x D mm	Internal Dimensions mm	Entries	Colour	Mounting features
6CL 56/98 x 98 x 91 *FT2	101 x 101 x 91	81	2x20 & 1x25	L/grey	22.2 single hole mount
6CL 56/98 x 98 x 91 - 1	101 x 101 x 91	81	2x20 & 1x25	L/grey	Plain lid
6CL 56/98 x 98 x 91 - 2	101 x 101 x 91	81	2x25 & 1x32	L/grey	Plain lid
6CL 56/98 x 98 x 91 - ORG	101 x 101 x 91	81	2x25 & 1x32	Orange	Plain lid
6CL 56/98 x 98 x 91 -ORG-1	101 x 101 x 91	81	2x20 & 1x25	Orange	Plain lid
6CL 56/98 x 98 x 91 - 4	101 x 101 x 91	81	2x25 & 1x32	Clear	Flip/hinge
6CL 56/98 x 98 x 91 - 5	101 x 101 x 91	81	2x20 & 1x25	L/grey	Flip/hinge
6CL 56/195 x 98 x 91	198 x 101 x 91	81	2x25 & 1x32	L/grey	Plain
6CL 56/195 x 98 x 91 - S	198 x 101 x 91	81	Blank	L/grey	Plain
6CL 56/195 x 98 x 91 - AUS	198 x 101 x 91	81	2x20 & 1x25	Orange	Plain
6CL 56/195 x 98 x 91 -ORG	198 x 101 x 91	81	2x25 & 1x32	Orange	Plain
6CL 56/DB2 - G (c/w base plate)	198 x 101 x 140	115**	2x25 & 1x32	L/grey	Standard base/ high lid
6CL 56/DB2 - ORG-1 (c/w base plate)	198 x 101 x 140	115**	2x20 & 1x25	Orange	Plain c/w base plate
6CL 56/DB2 AS - ORG (c/w base plate)	198 x 101 x 140	115**	2x25 & 1x32	Orange	Standard base/ high lid
6CL 56/ED2 - Grey	198 x 101 x 128	118**	2x25 & 1x32	L/grey	High base/low lid
6CL 56/ED2 - ORG	198 x 101 x 128	118**	2x25 & 1x32	Orange	High base/low lid
6CL 56/JBD2AS - RO	198 x 101 x 128	118**	2x25 & 1x20*	Orange	High base/low lid
6CL 56/DB4-CSR GREY	198 x 198 x 140	115**	2x32 & 1x25	Grey	Plain c/w base plate
6CL 56/294 x 98 x 91 -ORG	294 x 101 x 140	115**	2x25 & 1x32	Orange	Plain lid
6CL 56/DB2 -2 M/Plate	Mounting Plate			Grey	c/w 4 plugs & screws

Notes:

* All entries at one end only

** Dimension is base or gear tray to lid

HI-IMPACT HALOGEN FREE POLYCARBONATE ENCLOSURES IP67

Catalogue Number	External Dimensions H x W x D mm	Internal Dimensions mm	Entries	Colour	Mounting features
6F EC	190 x 190 x 130	116	Blank	Grey	without base plate
6F EC	190 x 190 x 180	166	Blank	Grey	without base plate
6F EC	280 x 190 x 130	116	Blank	Grey	with base plate
6F EC	280 x 190 x 180	166	Blank	Grey	with base plate
6F EC	280 x 280 x 130	116	Blank	Grey	with base plate
6F EC	380 x 280 x 130	116	Blank	Grey	with base plate
6F EC	380 x 280 x 180	166	Blank	Grey	with base plate
6F EC	560 x 380 x 180	166	Blank	Grey	with base plate
6F EC	560 x 380 x 230	216	Blank	Grey	with base plate
6F	280 x 190 x 50	50	Blank	Grey	extension wall only
6F	280 x 280 x 50	50	Blank	Grey	extension wall only
6F	380 x 280 x 50	50	Blank	Grey	extension wall only
6F	560 x 380 x 50	50	Blank	Grey	extension wall only
6F MB10622 - S					Hinges (2)

METAL ENCLOSURE IP66 (POWDER COATED)

Catalogue Number	External Dimensions H x W x D mm	Internal Dimensions mm	Entries	Colour	Mounting features
6KL 1500	150 x 150 x 120	100	Blank	Grey	Din rail
6AE 1033	300 x 300 x 210	84	Blank	Grey	with base plate
6AE 1380	380 x 380 x 210	184	Blank	Grey	with base plate
6NI 04032	400 x 300 x 200	175	Blank	Grey	with base plate
6NI 04043	400 x 400 x 300	275	Blank	Grey	with base plate
6AE 1038	600 x 380 x 210	184	Blank	Grey	with base plate
6AE 1338	600 x 380 x 350	324	Blank	Grey	with base plate
6IP 29214	800 x 600 x 400	350	Blank	Grey	with base plate
6IP 37254	1000 x 700 x 400	350	Blank	Grey	with base plate

Notes:

1. Polycarbonate and metal enclosure catalogue number include dimensions, eg for first enclosure on polycarbonate list quote: 6F EC 190 x 190 x 130



ENCL: 6CL



ENCL: 6FE



ENCL: 6AE

ENCLOSURES ONLY

STAINLESS STEEL ENCLOSURES - STANDARD

Features:

Manufactured in Australia

'Marine Grade 316' Enclosures IP66

Catalogue Number	External Dimensions H x W x D mm	Internal Dimension** mm	Entries	Finish	Features
6SS00Z	120 x 113 x 72	50	Blank	Grey Bead	4 screw – fixed lid
6SS001	120 x 113 x 72	50	Blank	Grey Bead	4 screw – fixed lid, 22mm hole
6SS001	120 x 113 x 72 ES	50	Blank	Grey Bead	4 screw – fixed lid c/w protection bars, 22mm hole
6SS0Z	208 x 113 x 100	85	Blank	Grey Bead	4 screw – fixed lid
6SS01	208 x 113 x 100	85	Blank	Grey Bead	4 screw – fixed lid
6SS036	208 x 113 x 100	85	Blank	Grey Bead	4 screw – fixed lid, DIN rail
6SS048	208 x 113 x 100	85	Blank	Grey Bead	4 screw – fixed lid, DIN rail
6SS0CUZ	217 x 118 x 114	90	Blank	Grey Bead	4 screw – fixed lid, DIN rail
6SS0CU	217 x 118 x 114	90	Blank	Grey Bead	4 screw – fixed lid, DIN rail
6SS1Z	240 x 140 x 120	110	Blank	Grey Bead	4 screw – fixed lid, DIN rail
6SS1	240 x 140 x 120	110	Blank	Grey Bead	4 screw – fixed lid, DIN rail
6SS2Z	350 x 230 x 170	150	Blank	Grey Bead	4 screw – fixed lid, gear tray
6SS2	350 x 230 x 170	150	Blank	Grey Bead	4 screw – fixed lid, gear tray
6SS3	500 x 350 x 255	235	Blank	Grey Bead	4 screw – fixed lid, gear tray
6SS1HZ	240 x 160 x 120	110	Blank	Grey Bead	Hinged, DIN rail
6SS1H	240 x 160 x 120	110	Blank	Grey Bead	Hinged, DIN rail
6SH1Z	300 x 220 x 122	110	Blank	Grey Bead	Hinged, DIN rail
6SH1	300 x 220 x 122	110	Blank	Grey Bead	Hinged, DIN rail
6SH2Z	375 x 270 x 170	150	Blank	Grey Bead	Hinged, gear tray
6SH2	375 x 270 x 170	150	Blank	Grey Bead	Hinged, gear tray
6SH3Z	500 x 320 x 175	155	Blank	Grey Bead	Hinged, gear tray
6SH3	500 x 320 x 175	155	Blank	Grey Bead	Hinged, gear tray
6SH4	600 x 420 x 300	280	Blank	Grey Bead	Hinged, gear tray
6SH5Z	800 x 600 x 300	280	Blank	Grey Bead	Hinged, gear tray
6SS1HRZ	367 x 160 x 120	110	Blank	Grey Bead	Hinged c/w rain hood, DIN rail
6SS1HR	367 x 160 x 120	110	Blank	Grey Bead	Hinged c/w rain hood, DIN rail
6SH1RZ	426 x 220 x 122	110	Blank	Grey Bead	Hinged c/w rain hood, DIN rail
6SH1R	426 x 220 x 122	110	Blank	Grey Bead	Hinged c/w rain hood, DIN rail
6SH2RZ	532 x 270 x 170	150	Blank	Grey Bead	Hinged c/w rain hood, gear tray
6SH2R	532 x 270 x 170	150	Blank	Grey Bead	Hinged c/w rain hood, gear tray
6SH3R	668 x 320 x 175	155	Blank	Grey Bead	Hinged c/w rain hood, gear tray
6SH3RZ	668 x 320 x 175	155	Blank	Grey Bead	Hinged c/w rain hood, gear tray
6SH4R	845 x 420 x 300	280	Blank	Grey Bead	Hinged c/w rain hood, gear tray
6SH5R	982 x 600 x 300	280	Blank	Grey Bead	Hinged c/w rain hood, gear tray
6SS1HRW	407 x 160 x 120	110	Blank	Grey Bead	Hinged c/w rain hood & window, DIN rail
6SH1RW	420 x 220 x 122	110	Blank	Grey Bead	Hinged c/w rain hood & window, DIN rail

**Dimension is base or gear tray to lid

STAINLESS STEEL ENCLOSURES – FOOD INDUSTRY

Features:

Manufactured in Australia

'Marine Grade 316' Enclosures IP66

All fixed lid enclosures

Catalogue Number	External Dimensions H x W x D mm	Entries	Internal Dimension** mm	Finish	Features
6SS00Z FI	120 x 113 x 72	Blank	50	No 4	Utility enclosure, blank lid
6SS00Z FI	120 x 113 x 72 MF	Blank	50	No 4	Utility enclosure, blank lid, mounting feet
6SS0Z FI	140 x 140 x 120	Blank	110	No 4	Utility enclosure, blank lid, DIN rail
6SS0Z FI	140 x 140 x 120 MF	Blank	110	No 4	Utility enclosure, blank lid, DIN rail, mounting feet
6SS1Z FI	200 x 200 x 120	Blank	110	No 4	Utility enclosure, blank lid, DIN rail
6SS1Z FI	200 x 200 x 120 MF	Blank	110	No 4	Utility enclosure, blank lid, DIN rail, mounting feet
6SS001 FI	120 x 113 x 72	Blank	50	No 4	Emergency STOP enclosure, 22mm hole
6SS001 FI	120 x 113 x 72 ES	Blank	50	No 4	Emergency STOP enclosure c/w protection bars, 22mm hole
6SS001 FI	120 x 113 x 72 MF	Blank	50	No 4	Emergency STOP enclosure, 22mm hole, mounting feet
6SS001 FI	120 x 113 x 72 ES MF	Blank	50	No 4	Emergency STOP enclosure c/w protection bars, 22mm hole, mounting feet
6SS0 FI	188 x 113 x 110	Blank	100	No 4	Standard Switch Enclosure, DIN rail
6SS0 FI	188 x 113 x 110 MF	Blank	100	No 4	Standard Switch Enclosure, DIN rail, mounting feet
6SS1 FI	240 x 140 x 120	Blank	110	No 4	Standard Switch Enclosure, DIN rail
6SS1 FI	240 x 140 x 120 MF	Blank	110	No 4	Standard Switch Enclosure, DIN rail, mounting feet
6SS2 FI	350 x 240 x 170	Blank	150	No 4	Standard Switch Enclosure, gear tray
6SS2 FI	350 x 240 x 170 MF	Blank	150	No 4	Standard Switch Enclosure, gear tray, mounting feet

** Dimension is base or gear tray to lid

WATER TREATMENT



FOOD INDUSTRY



MINING INDUSTRY



PORT FACILITIES



DAIRY INDUSTRY



CLEAN ENERGY



MARINE APPLICATIONS



HEAVY INDUSTRIAL



The Range of **Blue Line** Switchgear

Technical literature covering the following products is available on request.

Main Switches and Main Switches with Emergency Function 16 A-315 A Maintenance Switches 20 A-315 A Switch Disconnectors 20 A-315 A According to IEC 60947 - 3, EN 60947 - 3, VDE 0660 part 107, IEC 60204, EN 60204 and VDE 0113	500
CL Switches 10 A-20 A C, CA and CAD Switches 10 A-315 A and L Switches 350 A-2400 A C, CA and CAD switches are designed for universal application. They are recommended for instrument, isolator, double-throw and motor control. L switches are designed for load and off-load applications. They are used to switch resistive or low inductive loads.	100
Optional Extras and Enclosures The complete product line, a large number of optional extras is available, including door interlocks, push-pull devices, cylinder and padlock attachments, control and indicator devices, Ac motor drives, as well as enclosures, both insulated and metal.	101
A and AD Switches 6 A-25 A A and AD Switches have 4 contacts in each switching stage. These switches provide an extensive range of switch functions and require a minimum mounting depth. Up to 36 switching positions are possible, with availability of 48 contacts per 12 stage column.	110
CG, CH and CHR Switches 10 A-25 A Ultra compact CG, CH and CHR switches are ideally suited for control and instrumentation applications. Switch terminals are 'finger-proof' and conveniently accessible for wiring and are delivered open. All CG4 switches offer specially designed gold plated contacts or H-bridges with 'cross-wire' contact systems, which facilitates their use in electronic circuitry and chemically aggressive environments.	120
DH, DHR, DK and DKR Switches 6 A-16 A DH, DHR, DK, and DKR switches incorporate unique corrosion resistant contacts that permit operation on system voltage as low as 1 V. They have fully enclosed and protected contacts which can be operated either by rotary and/or lateral handle movement. D switches are used in calibration and semiconductor circuits. They are also used for relay and contactor control.	130
X Switches 80 A-630 A X switches can be applied for load, tap and gang duties. They incorporate 6 contacts in each switching stage. Their compact design provides a minimum length dimension for mounting purpose.	140
KC 16 A-32 A, KG Switches 20 A-315 A and KH and KHR Switches 16 A-80 A KC, KG, KH and KHR switches are excellent circuit interruptors. They have high through fault and fault making capacities and are especially designed for use as isolators and safety switches for machine tools, distribution panels and switchboards. KG ON/OFF switches offer unusually high dimensioned air and creepage distances between terminals which are designed for time saving 'straight-line' wiring. ON/OFF switches are available with up to 8 poles and double-throw switches are available with up to 4 poles. KC switches offer spring cage terminals for greater termination security.	150
Contactors 16 A-115 A and Motor starters 1, 1 kW-55 kW These include control relays, motor contactors, two and four pole output contactors, heating contactors, thermal overload relays.	200
Push Buttons and Pilot Lights, 22.5 mm Ø A complete range of state-of-the-art push buttons and pilot lights represent an ideal combination of functional security economical efficiency in a modular design.	302
Disconnectors for Photovoltaic	
Maintenance Switches for EMC - Compliant Connection Frequency regulated motors.	

We reserve the right to make technical and dimensional changes without prior notice. Any errors or omissions are not binding.



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