



## Switching solutions for industry

Market leading range of switches and switching solutions

With close to 80 years of experience in designing and manufacturing, Katko are market leaders in the field of industrial switching. APS Industrial are proud to bring a complete range of enclosed isolating switches, PV isolating switches and cable glands to the local Australian market.



[apsindustrial.com.au](http://apsindustrial.com.au)



## HISTORY OF APS INDUSTRIAL

APS Industrial was formed in 2018 incorporating the established businesses of Ramelec Pty Ltd and HiTech Control Systems Pty Ltd who shared in over 20 years of successfully servicing the electrical needs of customers in Australia.

Both existing partial distributors of Siemens products in Australia, together these two companies offered a wealth of experience and expertise when it came to bringing this world class range to the local market.

It was these existing footprints and exclusive distribution agreements that formed the ideal platform for APS Industrial to develop a complete portfolio and customer focused product and solution model that would change the landscape of the Australian industrial electrical industry.

First appointed as the master distributor of the Siemens range in Australia, APS Industrial then secured key complementary national distribution partnerships with a number of other leading global manufacturers led by Weidmüller, Rittal, Belden, KATKO and EPCOS (a TDK Group company). Bringing together this extensive technology portfolio, APS Industrial is now able to serve the local market as a connected technology partner intent on delivering quality products and the ultimate in customer service.

## APS INDUSTRIAL YOUR GATEWAY TO INDUSTRIAL SUCCESS

At APS Industrial, we're the gateway that connects the world's leading industrial manufacturers to the local industry.

We're committed to offering our customers an experience that is consistent and reliable as we together create solutions that power Australia.

### COMPETITIVE

Our desire to help our customers drives our competitive nature as we strive to ensure we collectively succeed.

### COMMITTED

In all that we do, our commitment to our valued customers is our promise.

### ADAPTIVE

Our expertise, experience and scale allows us to seamlessly adapt to your needs and industry trends.

### SUPPORTING

Our job never ends and we pride ourselves on our full cycle service and support.

## SWITCHING SOLUTIONS FOR INDUSTRY

### CONTENTS

#### POLYCARBONATE ENCLOSED ISOLATING SWITCHES 10-630 A

- | 1 POLE
- | 3 POLE
- | 6 POLE
- | 8 POLE

#### ALUMINIUM ENCLOSED ISOLATING SWITCHES 16-250 A

- | 3 POLE
- | 4 POLE
- | 6 POLE

#### STAINLESS STEEL ENCLOSED HYGIENIC ISOLATING SWITCHES 16-1600 A

- | 3 POLE
- | 4 POLE
- | 6 POLE

#### STAINLESS STEEL ENCLOSED ISOLATING SWITCHES 16-160 A

- | 3 POLE
- | 4 POLE
- | 6 POLE

#### STAINLESS STEEL ENCLOSED ISOLATING SWITCHES IP69K

- | 3 POLE
- | 4 POLE

#### STEEL ENCLOSED ISOLATING SWITCHES 16-1600 A

- | 3 POLE
- | 4 POLE
- | 6 POLE

#### EMC- PROTECTED ENCLOSED ISOLATING SWITCHES 16-630 A

- | 3 POLE - POLYCARBONATE
- | 4 POLE - POLYCARBONATE
- | 3 POLE - ALUMINIUM

#### SIDE OPERATED POLYCARBONATE ENCLOSED ISOLATING SWITCHES 16-25A

- | 3 POLE

#### 6 FIRE RATED ALUMINIUM ENCLOSED ISOLATING SWITCHES 16-200A 14

- 6 | F200 3H 14
- 6 | F300 2H 14

#### 7 CHANGEOVER SWITCHES 15

- | 3 POLE 15
- | REVERSING SWITCHES 15
- | 3 POLE 15

#### 8 SOLAR PV DC ISOLATING SWITCHES 16

#### 8 LOAD BREAK SWITCHES 17

- | 3 POLE 17
- | 4 POLE 17
- 9 | 3 POLE 18
- 9 | 4 POLE 18
- 9 | 6 POLE 18
- | KU SERIES ACCESSORIES 18

#### 10 VKA SERIES 125-250A, BLACK HANDLE & SHAFT INCLUDED 19

- 10 | 3 POLE 19
- 10 | 4 POLE 19
- | 3 POLE 19
- | 4 POLE 19

#### 11 TOGGLE LOAD BREAK SWITCHES 20

- 11 | 3 POLE 20
- | 4 POLE 20

#### 12 FUSE SWITCHES 21

- 12 | 3 POLE 21
- 12 | 4 POLE 21
- | 3 POLE 22
- | 4 POLE 22

#### 13 ACCESSORIES FOR ISOLATING SWITCHES 23

#### 13 METRIC CABLE GLANDS (PLASTIC) 25

#### METRIC CABLE GLANDS (METAL) 25

#### 14 METRIC CABLE GLANDS (STAINLESS STEEL) 26



KATKO is a specialised manufacturer of load break switches, switch fuses, safety switches, motor protection switches and a range of complementary accessories. With close to 80 years of experience in designing and manufacturing load break switches, isolators and switch fuses, from their inception, Katko have been focussed on product innovation and customer service. Based in Finland and with manufacturing facilities both there and in Poland, APS Industrial are proud national distributors of the Katko range in Australia. The product portfolio covers a full range of enclosed switches in polycarbonate, ABS, aluminium, stainless steel and sheet steel to match all specifications in a broad spectrum of applications and industries



## FOOD INDUSTRY

### **Food processing, Dairy, Meat packing & processing, Beverage-making.**

KATKO is a solution provider for the global dairy industry, leading the way in both food hygiene and work safety. KATKO products can be tailored in collaboration with the customer to suit their specific hygiene and performance needs: endurance of both cold and warm jet water sprays, moisture, chemicals and detergents.



## HEAVY INDUSTRY

### **Water and Waste-Water, Power Generation, Metal Manufacturing, Timber, Pulp and Paper.**

KATKO solutions cover all fields of heavy industry. They have served pulp and paper companies for decades and have grown to be an essential part of the value chain for the widest spectrum of industries all around the world – ranging from metal manufacturing to water purification to strip mills.



## HAZARDOUS AND DEMANDING AREAS

### **Mining and Processing, Oil and Gas, Fire and Marine.**

Even the world's most demanding and hostile environments need to be switched on and off. KATKO delivers stainless steel casings and extra-strong handles for the mining industry in both the northern and southern hemispheres. Their ATEX products serve high-risk areas and their RINA-certified marine product range was chosen for the world's largest passenger vessel.



## RENEWABLE ENERGY

### **Photovoltaic, Wind power and Recycling.**

KATKO continuously works on new solutions for renewable energy – today's fastest growing area of energy production. The Nordic operational environment is the perfect laboratory setting for product development both because of the region's high-standard of research facilities and also because of its harsh and intensely varied climate.

**Polycarbonate (IP66) or ABS (IP65) enclosure.**

Good resistance against UV and many chemicals. Available in grey/black or yellow/red.

**5 cable entries:**

M20 & M25 mm as standard on the top and bottom and M20 on the base. Knock-out glands are easy to open.

**Retrofit 'snap on' auxilliary contacts.**

No need to touch existing cabling.

**Large cable terminals**

1,5 - 16 mm<sup>2</sup> up to 40A  
2,5 - 35 mm<sup>2</sup> up to 80A

**Neutral & earth terminals**

fitted on 3 pole switch.  
Only earth on 4 pole switch.

**Stainless steel screw fixing**

**Door interlock with defeat mechanism**

Self-extinguishing material and excellent insulating properties  
Padlocking in OFF position prevents access to the actuator.  
Reliable position indication

**Fully rated Load Break Switch.**

Breaking capacity of 8xAC23 rating.  
Back up fuse rating to match motor manufacturers recommendation.

**Enclosure mounting screws (4,5 mm in diameter) isolated from the inside housing**

keeping the integrity of the IP65/IP66 rating.

**Removable Contact Block.**

Enables unplugging the switch for easy cabling

**Provision for 3 padlocks**

**Retained handle.** you don't need to unscrew to remove the cover.



# POLYCARBONATE ENCLOSED ISOLATING SWITCHES 10-630 A



- | IP66; Enclosure types U2, U3, U4
- | IP65; Enclosure types MF11, MF03, MF04
- | Self-extinguishing material
- | Wide operating temperature range
- | Padlockable
- | Door interlock with defeat mechanism
- | Excellent insulating properties
- | Good UV resistance
- | Good resistance against many chemicals
- | Available up to 630 A

## 1 POLE

PART NUMBER		IE A AC-23 (400/415V)	KW AC-23 (240V)	ENCLOSURE SIZE	IP RATING
GREY ENCLOSURE BLACK HANDLE	YELLOW FRONT RED HANDLE				
	KEM110UY/R	10/10	2	U2	IP66
KEM116U	KEM116UY/R	16/16	3	U2	IP66
KEM125U		25/25	4	U3	IP66

## 3 POLE

PART NUMBER		IE A AC-23 (415/690V)	KW AC-23 (415/690V)	ENCLOSURE SIZE	IP RATING
GREY ENCLOSURE BLACK HANDLE	YELLOW FRONT RED HANDLE				
KEM310U		10/10	5.5/7.5	U2	IP66
KEM316U	KEM316UY/R	16/16	7.5/11	U2	IP66
KEM325U	KEM325UY/R	25/25	11/22	U2	IP66
KEM325U/U3	KEM325UY/R/U3	25/25	11/22	U3	IP66
KEM340U	KEM340UY/R	40/32	22/30	U2	IP66
KEM340U/U3	KEM340UY/R/U3	40/32	22/30	U3	IP66
KEM363U	KEM363UY/R	40/40	22/37	U3	IP66
KEM380U	KEM380UY/R	63/40	30/37	U3	IP66
KEM3125U	KEM3125UY/R	125/80	55/75	U4	IP66
KEM3160	KEM3160Y/R	160/100	90/90	MF11	IP65
KEM3200	KEM3200Y/R	200/200	110/160	MF03	IP65
KEM3250	KEM3250Y/R	250/250	132/250	MF03	IP65
KEM3250C		250*	132*	MF11	IP65
KEM3400	KEM3400Y/R	400/400	200/355	MF03	IP65
KEM3630	KEM3630Y/R	630/500	355/500	MF04	IP65

#### 4 POLE

PART NUMBER		IE A	KW	ENCLOSURE SIZE	IP RATING
GREY ENCLOSURE BLACK HANDLE	YELLOW FRONT RED HANDLE	AC-23 (415/690V)	AC-23 (415/690V)		
KEM416U	KEM416UY/R	16/16	7.5/11	U2	IP66
KEM425U	KEM425UY/R	25/25	11/22	U2	IP66
KEM425U/U3	KEM425UY/R/U3	25/25	11/22	U3	IP66
KEM440U	KEM440UY/R	40/32	22/30	U2	IP66
KEM440U/U3	KEM440UY/R	40/32	22/30	U3	IP66
KEM463U	KEM463UY/R	40/40	22/37	U3	IP66
KEM480U	KEM480UY/R	63/40	30/37	U3	IP66
KEM4125U	KEM4125UY/R	125/80	55/75	U4	IP66
KEM4160	KEM4160Y/R	160/100	90/90	MF11	IP65
	KEM4200Y/R	200/200	110/160	MF03	IP65
KEM4250	KEM4250Y/R	250/250	132/250	MF03	IP65
KEM4250C		250*	132*	MF11	IP65
KEM4400	KEM4400Y/R	400/400	200/355	MF03	IP65
KEM4630	KEM4630Y/R	630/500	355/500	MF04	IP65

\* 400/415V only

#### 6 POLE

PART NUMBER		IE A AC-23 (415/690V)	KW AC-23 (415/690V)	ENCLOSURE SIZE	IP RATING
GREY ENCLOSURE BLACK HANDLE	YELLOW FRONT RED HANDLE				
KEM616U	KEM616UY/R	16/16	7.5/11	U3	IP66
KEM625U	KEM625UY/R	25/25	11/22	U3	IP66
KEM640U	KEM640UY/R	40/32	22/30	U3	IP66
KEM663U	KEM663YY/R	40/40	22/37	U3	IP66
KEM680U	KEM680UY/R	63/40	30/37	U3	IP66
KEM6125	KEM6125Y/R	125/80	55/75	MF11	IP66
KEM6160	KEM6160Y/R	160/100	90/90	MF11	IP65

#### 8 POLE

PART NUMBER		IE A AC-23 (415/690V)	KW AC-23 (415/690V)	ENCLOSURE SIZE	IP RATING
GREY ENCLOSURE BLACK HANDLE	YELLOW FRONT RED HANDLE				
	KEM825UY/R	25/25	11/22	U3	IP66

## ALUMINIUM ENCLOSED ISOLATING SWITCHES 16-250 A



- | IP66; Enclosure types A2, A3
- | IP65; Enclosure types A4, A5
- | IK08; A2, A3 (Degree of mechanical impact)
- | IK10: A4, A5
- | Wide operating temperature range
- | Good resistance against many chemicals
- | Good UV resistance
- | Excellent for hard weather conditions
- | Padlockable
- | Door interlock with defeat mechanism
- | Available up to 250 A

### 3 POLE

PART NUMBER		IE A AC-23 (415/690V)	KW AC-23 (415/690V)	ENCLOSURE SIZE	IP RATING
GREY ENCLOSURE BLACK HANDLE	YELLOW FRONT RED HANDLE				
KEA316U	KEA316UY/R	16/16	7.5/11	A2	IP66
KEA316U/A3		16/16	7.5/11	A3	IP66
KEA325U	KEA325UY/R	25/25	11/22	A2	IP66
KEA325U/A3		25/25	11/22	A3	IP66
KEA340U	KEA340UY/R	40/32	22/30	A2	IP66
KEA340U/A3	KEA340UY/R/A3	40/32	22/30	A3	IP66
KEA363U	KEA363UY/R	40/40	22/37	A3	IP66
KEA380U	KEA380UY/R	63/40	30/37	A3	IP66
KEA3125U	KEA3125UY/R	125/80	55/75	A3	IP66
KEA3160U	KEA3160UY/R	160/100	90/90	A3	IP66
KEA3200	KEA3200Y/R	200/200	110/160	A5	IP65
KEA3200C		200*	110*	A4	IP65
KEA3250	KEA3250Y/R	200/200	110/160	A5	IP65

\* 400/415V only

### 4 POLE

PART NUMBER		IE A AC-23 (415/690V)	KW AC-23 (415/690V)	ENCLOSURE SIZE	IP RATING
GREY ENCLOSURE BLACK HANDLE	YELLOW FRONT RED HANDLE				
KEA416U	KEA416UY/R	16/16	7.5/11	A2	IP66
KEA425U	KEA425UY/R	25/25	11/22	A2	IP66
KEA440U	KEA440UY/R	40/32	22/30	A2	IP66
KEA463U	KEA463UY/R	40/40	22/37	A3	IP66
KEA480U	KEA480UY/R	63/40	30/37	A3	IP66
KEA4125U	KEA4125UY/R	125/80	55/75	A3	IP66
KEA4160U	KEA4160UY/R	160/100	90/90	A3	IP66
KEA4200C	KEA4200CY/R	200*	110*	A4	IP65
KEA4250C	KEA4250CY/R	250*	132*	A4	IP65

\* 400/415V only

### 6 POLE

PART NUMBER		IE A AC-23 (415/690V)	KW AC-23 (415/690V)	ENCLOSURE SIZE	IP RATING
GREY ENCLOSURE BLACK HANDLE	YELLOW FRONT RED HANDLE				
KEA616U	KEA616UY/R	16/16	7.5/11	A3	IP66
KEA625U	KEA625UY/R	25/25	11/22	A3	IP66
KEA640U	KEA640UY/R	40/32	22/30	A3	IP66
KEA663U		40/40	22/37	A3	IP66
KEA680U		63/40	30/37	A3	IP66
KEA6125U	KEA6125UY/R	125/80	55/75	A4	IP65
KEA6160U	KEA6160UY/R	160/100	90/90	A4	IP65



# STAINLESS STEEL ENCLOSED HYGIENIC ISOLATING SWITCHES 16-1600 A



- | IP66; Enclosure types H23, H32, H02
- | (AISI 316, acid proof)
- | IP65; Enclosure types H03, H04, H06, H07, H08
- | (AISI 304 as standard, AISI 316 on request)
- | Where hygiene and good protection against corrosion are required
- | Padlockable
- | Door interlock with defeat mechanism
- | Available up to 1600 A

## 3 POLE

PART NUMBER		IE A AC-23 (415/690V)	KW AC-23 (415/690V)	ENCLOSURE SIZE	IP RATING
BLACK HANDLE	YELLOW-RED HANDLE				
	KER316Y/R	16/16	7.5/11	H23	IP66
	KER325Y/R	25/25	11/22	H23	IP66
	KER340Y/R	40/32	22/30	H23	IP66
	KER363Y/R	40/40	22/37	H32	IP66
	KER380Y/R	63/40	30/37	H32	IP66
KER3125	KER3125Y/R	125/80	55/75	H32	IP66
	KER3160Y/R	160/100	90/90	H02	IP66
	KER3200Y/R	200/200	110/160	H03	IP65
	KER3200CY/R	200*	110*	H02	IP65
	KER3250Y/R	250/250	132/250	H03	IP65
	KER3400Y/R	400/400	200/355	H03	IP65

## 4 POLE

PART NUMBER		IE A AC-23 (415/690V)	KW AC-23 (415/690V)	ENCLOSURE SIZE	IP RATING
BLACK HANDLE	YELLOW-RED HANDLE				
	KER416Y/R	16/16	7.5/11	H23	IP66
	KER425Y/R	25/25	11/22	H23	IP66
	KER440Y/R	40/32	22/30	H23	IP66
	KER463Y/R	40/40	22/37	H32	IP66
	KER480Y/R	63/40	30/37	H32	IP66
	KER4125Y/R	125/80	55/75	H32	IP66
	KER4160Y/R	160/100	90/90	H02	IP66
	KER4200Y/R	200/200	110/160	H03	IP65
	KER4250Y/R	250/250	132/250	H03	IP65
	KER4630Y/R	630/500	355/500	H04	IP65

## 6 POLE

PART NUMBER		IE A AC-23 (415/690V)	KW AC-23 (415/690V)	ENCLOSURE SIZE	IP RATING
BLACK HANDLE	YELLOW-RED HANDLE				
	KER616YR	16/16	7.5/11	H32	IP66
KER625	KER625Y/R	25/25	11/22	H23	IP66
	KER640Y/R	40/32	22/30	H32	IP66
	KER680Y/R	63/40	30/37	H32	IP66
	KER6100Y/R	80/63	45/55	H02	IP66
	KER6160Y/R	160/100	90/90	H02	IP66

## STAINLESS STEEL ENCLOSED ISOLATING SWITCHES 16-160 A



- Designed for hygienic and heavy environments
- Easy to install and to keep clean
- IP66, stainless steel enclosure
- Acid proof, AISI 316

- Rainhood protection with angled top
- Padlockable stainless steel handle
- Available up to 160 A

### 3 POLE

PART NUMBER		IE A AC-23 (415/690V)	KW AC-23 (415/690V)	ENCLOSURE SIZE	IP RATING
FLAT ROOF	ANGLED ROOF				
KER316R		16/16	7.5/11	H23T	IP66
	KER316RS	16/16	7.5/11	H24T	IP66
KER325R		25/25	11/22	H23T	IP66
KER340R		40/32	22/30	H23T	IP66
	KER340RS	40/32	22/30	H24T	IP66
KER363R		40/40	22/37	H32T	IP66
KER380R		63/40	30/37	H32T	IP66
	KER3125RS	125/80	55/75	H02TR	IP66
	KER3160RS	160/100	90/90	H02TR	IP66

### 4 POLE

PART NUMBER		IE A AC-23 (415/690V)	KW AC-23 (415/690V)	ENCLOSURE SIZE	IP RATING
FLAT ROOF	ANGLED ROOF				
KER416R		16/16	7.5/11	H23T	IP66
	KER416RS	16/16	7.5/11	H24T	IP66
KER425R		25/25	11/22	H23T	IP66
KER440R		40/32	22/30	H23T	IP66
KER480R		63/40	30/37	H32T	IP66
	KER480RS	63/40	30/37	H34T	IP66

### 6 POLE

PART NUMBER		IE A AC-23 (415/690V)	KW AC-23 (415/690V)	ENCLOSURE SIZE	IP RATING
FLAT ROOF	ANGLED ROOF				
KER625R		25/25	11/22	H32T	IP66

# STAINLESS STEEL ENCLOSED ISOLATING SWITCHES IP69K



Electromagnetic compatibility ensures safe operation in environments with electromagnetic disturbance

Tested according to EN 55011 with EMC glands shielded power cable

IP66; Enclosure types U2, U3, A2, A3

IP65; Enclosure types TR02, TR03, TR04

Available in polycarbonate up to 80 A, aluminium up to 125 A and sheet steel up to 630 A

Also available in TR02, TR03 and TR04 enclosures

Padlockable

Door interlock with defeat mechanism

EMC cable glands included

## 3 POLE

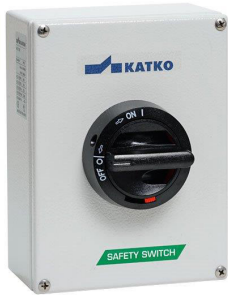
PART NUMBER		IE A	KW	ENCLOSURE SIZE	IP RATING
BLACK HANDLE	YELLOW-RED HANDLE	AC-23 (415/690V)	AC-23 (415/690V)		
KER316IP69K	KER316Y/RIP69K	16/16	7.5/11	H23	IP66
KER325IP69K	KER325Y/RIP69K	25/25	11/22	H23	IP66
KER340IP69K	KER340Y/RIP69K	40/32	22/30	H23	IP66
KER3100IP69K		80/63	45/55	H32	IP66
KER3125IP69K		125/80	55/75	H32	IP66

## 4 POLE

PART NUMBER		IE A	KW	ENCLOSURE SIZE	IP RATING
BLACK HANDLE	YELLOW-RED HANDLE	AC-23 (415/690V)	AC-23 (415/690V)		
	KER416Y/RIP69K	16/16	7.5/11	H23	IP66
	KER425Y/RIP69K	25/25	11/22	H23	IP66
	KER463Y/RIP69K	40/40	22/37	H32	IP66
	KER4125Y/RIP69K	125/80	55/75	H32	IP66



STEEL ENCLOSED ISOLATING SWITCHES 16-1600 A



- | IP65
- | Good corrosion resistance
- | Wide operating temperature range
- | Padlockable
- | Door interlock with defeat mechanism
- | Excellent Insulating properties
- | Good UV resistance
- | Good resistance against many chemicals
- | Available up to 1600A

3 POLE

PART NUMBER		IE A	KW	ENCLOSURE SIZE	IP RATING
BLACK HANDLE	YELLOW-RED HANDLE	AC-23 (415/690V)	AC-23 (415/690V)		
KET340		40/32	22/30	TR007	IP65
	KET363Y/R	63/40	30/37	TR007	IP65
KET380	KET380Y/R	63/40	30/37	TR007	IP65
	KET3100Y/R	100/63	55/55	TR01	IP65

4 POLE

PART NUMBER		IE A	KW	ENCLOSURE SIZE	IP RATING
BLACK HANDLE	YELLOW-RED HANDLE	AC-23 (415/690V)	AC-23 (415/690V)		
KET440		40/32	22/30	TR007	IP65
KET480		63/40	30/37	TR007	IP65

6 POLE

PART NUMBER		IE A	KW	ENCLOSURE SIZE	IP RATING
BLACK HANDLE	YELLOW-RED HANDLE	AC-23 (415/690V)	AC-23 (415/690V)		
KET640		40/32	22/30	TR007	IP65
KET680		63/40	30/37	TR007	IP65

## EMC- PROTECTED ENCLOSED ISOLATING SWITCHES 16-630 A



- | Electromagnetic compatibility ensures safe operation in environments with electromagnetic disturbance
- | Tested according to EN 55011 with EMC glands shielded power cable
- | IP66; Enclosure types U2, U3, A2, A3
- | IP65; Enclosure types TR02, TR03, TR04
- | Available in polycarbonate up to 80 A, aluminium up to 125 A and sheet steel up to 630 A
- | Also available in TR02, TR03 and TR04 enclosures
- | Padlockable
- | Door interlock with defeat mechanism
- | EMC cable glands included

### 3 POLE - POLYCARBONATE

PART NUMBER		IE A AC-23 (415/690V)	KW AC-23 (415/690V)	ENCLOSURE SIZE	IP RATING
GREY ENCLOSURE BLACK HANDLE	YELLOW FRONT RED HANDLE				
KEM316U/EMC	KEM316U/EMCY/R	16/16	7.5/11	U2	IP66
KEM325U/EMC	KEM325U/EMCY/R	25/25	11/22	U2	IP66
KEM340U/EMC	KEM340U/EMCY/R	40/32	22/30	U2	IP66
KEM363U/EMC	KEM363U/EMCY/R	40/40	22/37	U3	IP66
KEM380U/EMC	KEM380U/EMCY/R	63/40	30/37	U3	IP66
KEM3125U/EMC	KEM3125U/EMCY/R	125/80	55/75	U4	IP65

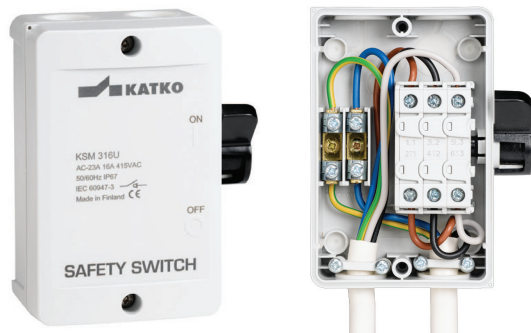
### 4 POLE - POLYCARBONATE

PART NUMBER		IE A AC-23 (415/690V)	KW AC-23 (415/690V)	ENCLOSURE SIZE	IP RATING
GREY ENCLOSURE BLACK HANDLE	YELLOW FRONT RED HANDLE				
KEM425U/EMC		25/25	11/22	U2	IP66
KEM463U/EMC		40/40	22/37	U3	IP66
KEM480U/EMC/U4		63/40	30/37	U4	IP65

### 3 POLE - ALUMINIUM

PART NUMBER		IE A AC-23 (415/690V)	KW AC-23 (415/690V)	ENCLOSURE SIZE	IP RATING
GREY ENCLOSURE BLACK HANDLE	YELLOW FRONT RED HANDLE				
KEA316U/EMC	KEA316U/EMCY/R	16/16	7.5/11	A2	IP66
KEA325U/EMC	KEA325U/EMCY/R	25/25	11/22	A2	IP66
KEA340U/EMC	KEA340U/EMCY/R	40/32	22/30	A2	IP66
KEA363U/EMC	KEA363U/EMCY/R	40/40	22/37	A3	IP66
KEA380U/EMC	KEA380U/EMCY/R	63/40	30/37	A3	IP66
KEA3125U/EMC	KEA3125U/EMCY/R	125/80	55/75	A3	IP65

## SIDE OPERATED POLYCARBONATE ENCLOSED ISOLATING SWITCHES 16-25A



- | IP67 without cable glands, IP65 with cable glands
- | Fully rated Load Break Switch
- | Good resistance against UV and many chemicals
- | Membrane gasket cable entries with strain relief as standard, 2 x 20mm on top, 2 x 20mm on bottom and 2 x 15mm on base
- | Wall mounting with membrane gaskets
- | Wall mounting dimensions: 90,0 x 62,0
- | Large 1,5 - 16 mm<sup>2</sup> cable terminals
- | Padlockable handle to off-position
- | Handle sealable to on-position
- | Enclosure can be sealed in any position
- | Available 2, 3, 4P and with auxiliary contact (S)
- | Large 1,5 - 16 mm<sup>2</sup> Neutral and earth terminals on 3P switch, earth on 2P and 4P switches
- | Door interlock

### 3 POLE

PART NUMBER	IE A	KW	POLES
GREY ENCLOSURE BLACK HANDLE	AC-23 (400V)	AC-23 (400V)	
KSM225U	25	11	2P
KSM325U	25	11	3P
KSM425U	25	11	4P

## FIRE RATED ALUMINIUM ENCLOSED ISOLATING SWITCHES 16-200A



- | F200 3H (FR) / F300 2H (FR3)
- | IP66 rating in enclosures A2 and A3
- | IP65 rating in enclosures A4 and A5
- | Padlockable
- | Door interlock with defeat mechanism
- | ON-locking facility as option
- | Good corrosion and UV resistance
- | Excellent for hard weather conditions
- | Available up to 200 A

### F200 3H

200 CPT

PART NUMBER		IE A AC-23 (415/690V)	KW AC-23 (415/690V)	ENCLOSURE SIZE	IP RATING
RED ENCLOSURE BLACK HANDLE	NO. POLES				
KEA325UFR	3	25/25	11/22	A2	IP66
KEA340UFR	3	40/32	22/30	A2	IP66
KEA380UFR	3	63/40	30/37	A3	IP66
KEA440UFR	4	40/32	22/30	A2	IP66
KEA480UFR	4	63/40	30/37	A3	IP66
KEA640UFR	6	40/32	22/30	A3	IP66
KEA680UFR	6	63/40	30/37	A3	IP66

F200 3H = 200°C for 3 hours

### F300 2H

PART NUMBER		IE A AC-23 (415/690V)	KW AC-23 (415/690V)	ENCLOSURE SIZE	IP RATING
RED ENCLOSURE BLACK HANDLE	NO. POLES				
KEA340UFR3	3	40/32	22/30	A2	IP66
KEA380UFR3	3	63/40	30/37	A3	IP66
KEA440UFR3	4	40/32	22/30	A3	IP66
KEA480UFR3	4	63/40	30/37	A3	IP66
KEA640UFR3	6	40/32	22/30	A3	IP66
KEA680UFR3	6	63/40	30/37	A3	IP66

F300 2H = 300°C for 2 hours



## CHANGEOVER SWITCHES



- | Polycarbonate (TKM, KEM) or aluminium (KEA) enclosures
- | TKM-models with cam switch 16 to 40 A
- | KEM and KEA models consist of two KU or VKA switches connected
- | by a change-over kit and range from 16 to 160 A
- | IP66; enclosure types U2, U3, U5, A3
- | IP65; enclosure type MF11
- | Self-extinguishing material
- | Excellent insulating properties
- | Wide operating temperature range
- | Good resistance against many chemicals
- | Good UV resistance
- | Padlockable
- | Door interlock with defeat mechanism
- | IEC 60947-3
- | Available up to 160 A

### 3 POLE

PART NUMBER	IE A AC-23 (415/690V)	KW AC-23 (415/690V)	ENCLOSURE SIZE	IP RATING
GREY ENCLOSURE BLACK HANDLE				
TKM340UVV	40*	18.5*	U2	IP66
KEM380VV	63/40	30/37	U3	IP66

\* 400/415V ONLY

### REVERSING SWITCHES



- | Cam switches
- | Polycarbonate enclosure, IP66
- | Rated thermal current I<sub>the</sub> 16 - 40 A
- | Padlockable
- | Door interlock with defeat mechanism
- | Terminals: Cu 1,5 - 16 mm<sup>2</sup>
- | Max. terminal torque: 1,8 Nm
- | IEC 60 947-3
- | TK= star delta
- | SK= reverse switch

### 3 POLE

PART NUMBER		IE A AC-23 (415/690V)	KW AC-23 (415/690V)	ENCLOSURE SIZE	IP RATING
GREY ENCLOSURE BLACK HANDLE	GREY ENCLOSURE Y-R HANDLE				
TKM325USK	TKM325USKY/R	25*	11*	U2	IP66
TKM340USK	TKM340USKY/R	40*	18.5	U2	IP66

\* 400/415V ONLY

SOLAR PV DC ISOLATING SWITCHES



- | Up to 32 A 1200 V DC, DC21B, and 32 A 1000 V DC, DC-PV2
- | Available in Polycarbonate and Aluminium enclosures
- | IP 66; Enclosure types U2 (PVM) and A2 (PVA)
- | Self-extinguishing material
- | Wide operating temperature range
- | Padlockable
- | Door interlock with defeat mechanism
- | Excellent insulating properties
- | Good UV resistance

Load Break Switch

LOAD BREAK SWITCH - PART NUMBER	PV232	PV432
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Safety Switch

SAFETY SWITCH, ALUMINIUM ENCLOSURE, A2 - PART NUMBER		PVA232	PVA432
SAFETY SWITCH, POLYCARBOANTE ENCLOSURE, A2 PART NUMBER			PVM432
NO. POLES		2P	4P
RATED INSULATION VOLTAGE		1200	1200
RATED OPERATIONAL CURRENT	UE (VDC)		
DC-21b/DC-PV2	300V	32/25	32/32
	400V	32/25	32/32
	500V	32/25	32/32
	600V	32/12	32/32
	700V	25/10	32/32
	800V	25/10	32/32
	900V	25/10	32/32
	1000V	25/10	32/32
DC-21b	1200V	16	32
Mechanical Endurance		20,000	20,000

Accessories For Solar Safety Switches

PART NUMBER	DESCRIPTION
LK10Y	Yellow Handle for PV Switch
K/PV2P	Direct Handle for 2-P PV Switch
K/PV4P	Direct Handle for 4-P PV Switch

# LOAD BREAK SWITCHES

## KU SERIES - COMPACT, 16-125A, RED HANDLE



- | Compact size, DIN-rail mounting
- | 6-pole and 8-pole versions consist of two 3-pole or 4-pole KU-switches connected by a parallel kit
- | Switch technology by means of silver contacts ensures safe and durable operation
- | 4-pole versions with early-make and late-break neutral pole
- | Compatible with handles LK10 and LK11
- | Shafts L=100/200/300 AD11 and AD11/VT

### 3 POLE

PART NUMBER	IE A AC-23 (415/690V)	KW AC-23 (415/690V)
KU316N		
KU325N		
KU340N	32/32	15/30
KU363N		
KU380N	63/40	30/37

### 4 POLE

PART NUMBER	IE A AC-23 (415/690V)	KW AC-23 (415/690V)
KU416N		
KU425N	25/25	11/22
KU440N	32/32	15/30
KU463N		
KU480N	63/40	30/37



## KU SERIES - MODULAR, 100-160A, BLACK HANDLE



- Modular design DIN-rail mounting 6-pole and 8-pole switches consist of two 3-pole or 4 pole switches and a parallel kit
- Advanced silver contacts guarantee safe and durable use
- Compatible with handles LK10, LK11(3-pole and 4 poles) and LK12 (6 and 8 poles and change-over switch)
- Shafts: L=100/200/300 AD11 and AD11/VT (3 and 4 poles), L=100/200/300 AD12/T (6 and 8 poles and change-over switch)

### 3 POLE

PART NUMBER	IE A AC-23 (415/690V)	KW AC-23 (415/690V)
KU3100	100/63	55/55
KU3125	125/80	55/75
KU3160	160/100	90/90
KU3160CO	160/100	90/90

### 4 POLE

PART NUMBER	IE A AC-23 (415/690V)	KW AC-23 (415/690V)
KU4100	100/63	55/55
KU4125	125/80	55/75
KU4160	160/100	90/90
KU4160CO	160/100	90/90

### 6 POLE

PART NUMBER	IE A AC-23 (415/690V)	KW AC-23 (415/690V)
KU6100	100/63	55/55
KU6125	125/80	55/75
KU6160	160/100	90/90

### KU SERIES ACCESSORIES

PART NUMBER	DESCRIPTION
CO160KU	Change-over Kit
PK160U	Parallel Kit
N160KU	Fouth Pole
LS/VS1603P	Terminal Cover for 3P
LS/VSN160	Terminal Cover for 4th Pole

## VKA SERIES 125-250A, BLACK HANDLE & SHAFT INCLUDED



- 3-pole and 4-pole VKA-switches as standard
- Switch technology by means of silver contacts ensures safe and durable operation
- 4-pole versions with early-make and late-break neutral pole
- Handle LK12 and shaft L=228 AD12/T6 included,
- suitable for 250 mm panel board
- Terminal covers LS/VKAC and phase barriers VS/VKAC enable safe use

### 3 POLE

PART NUMBER	IE A AC-23 (415/690V)	KW AC-23 (415/690V)
VKA3125N		
VKA3160N	135/125	75/90
VKA3250LS/VS	250*	132*

\* 400/415V ONLY

### 4 POLE

PART NUMBER	IE A AC-23 (415/690V)	KW AC-23 (415/690V)
VKA4160N	135/125	75/90

## VKE SERIES 125-630A, BLACK HANDLE & SHAFT INCLUDED



- Modular structure enables the drive mechanism position to be varied
- Front operated
- Available as 1-,2-.3- and 4-pole
- Available with terminal covers (LS)
- Easy to install auxiliary contacts
- 125-160A Includes shaft L=220 AD12/T and LK12 handle
- 200-630A includes shaft LVK=228 and LK14 handle

### 3 POLE

PART NUMBER	IE A AC-23 (415/690V)	KW AC-23 (415/690V)
VKE3160	125/125	55/90
VKE3250	250/250	132/250
VKE3400	400/400	200/355
VKE3630	630/500	355/500

### 4 POLE

PART NUMBER	IE A AC-23 (415/690V)	KW AC-23 (415/690V)
VKE4630	630/500	355/500

# TOGGLE LOAD BREAK SWITCHES

## EVA Series 125-250A

White toggle, terminal covers and phase barriers included



- | Compact size
- | Switch technology by means of silver contacts ensures a long life expectancy and safe use in demanding conditions
- | 125-160A available also with yellow front plate and red toggle (Y/R)
- | 200-250A 3-pole and 4-pole available with terminal covers and phase barriers (LS/VS)
- | Available also with red toggle (R)

### 3 POLE

PART NUMBER	DESCRIPTION	IE A AC-23 (415V)	KW AC-23 (415V)
EVA3160H	Red Toggle		
EVA3250H	Red Toggle	200	90
EVA3250LS/VS	White Toggle	200	90

### 4 POLE

PART NUMBER	DESCRIPTION	IE A AC-23 (415V)	KW AC-23 (415V)
EVA4250H	Red Toggle	200	90
EVA4250LS/VS	White Toggle	200	90

# FUSE SWITCHES

## KVKE Series



- DIN & BS Fuse versions
- Four breaking points per phase
- Connecting silver rivets have a silver alloy 350 um thick, thus ensuring a long life expectancy and safe use in demanding conditions
- Compact size saves space
- Modular structure enables position of drive mechanism to be varied
- Available as 1-,2-,3- and 4-pole (200-630 A also 6-pole)
- Black or yellow/red handle (add Y/R to description)
- Auxiliary contacts are easy to install
- Fuse covers included, terminal covers as accessory
- 63-160A includes handle LK12 and shaft L=220
- 200-630 A includes handle LK14 and shaft LVK=228

KVKE Series 63-160A  
LK12 Handle, L=220mm shaft, fuse covers included

### 3 POLE

PART NUMBER	DESCRIPTION	IE A AC-23 (415/690V)	KW AC-23 (415/690V)
KVKE3160	160 A, 3P, DIN	125/125	55/110
KVKE3160BS	160 A, 3P, BS88	125/125	55/110
KVKE3160NL	160 A, 3P + DN, DIN	125/125	55/110
KVKE3160NLBS	160 A, 3P + DN, BS88	125/125	55/110

### 4 POLE

PART NUMBER	DESCRIPTION	IE A AC-23 (415/690V)	KW AC-23 (415/690V)
KVKE4160	160 A, 4P, DIN	125/125	55/110
KVKE4160BS	160 A, 4P, BS88	125/125	55/110

## KVKE Series

200-630A, LK14 Handle, LVK=228mm shaft, fuse covers included

### 3 POLE

PART NUMBER	DESCRIPTION	IE A AC-23 (415/690V)	KW AC-23 (415/690V)
KVKE3250	250 A, 3P, DIN	250/250	132/250
KVKE3250BS	250 A, 3P, BS88	250/250	132/250
KVKE3250NL	250 A, 3P + DN, DIN	250/250	132/250
KVKE3250NLBS	250 A, 3P + DN, BS88	250/250	132/250
KVKE3400	400 A, 3P, DIN	400/400	200/355
KVKE3400BS	400 A, 3P, BS88	400/400	200/355
KVKE3400NL	400 A, 3P + DN, DIN	400/400	200/355
KVKE3400NLBS	400 A, 3P + DN, BS88	400/400	200/355
KVKE3630	630 A, 3P, DIN	630/500	355/500
KVKE3630BS	630 A, 3P, BS88	630/500	355/500
KVKE3630NL	630 A, 3P + DN, DIN	630/500	355/500
KVKE3630NLBS	630 A, 3P + DN, BS88	630/500	355/500

### 4 POLE

PART NUMBER	DESCRIPTION	IE A AC-23 (415/690V)	KW AC-23 (415/690V)
KVKE4250	250 A, 4P, DIN	250/250	132/250
KVKE4250BS	250 A, 4P, BS88	250/250	132/250
KVKE4400	400 A, 4P, DIN	400/400	200/355
KVKE4400BS	400 A, 4P, BS88	400/400	200/355
KVKE4630	630 A, 4P, DIN	630/500	355/500
KVKE4630BS	630 A, 4P, BS88	630/500	355/500

## KVKE Series Accessories

PART NUMBER	DESCRIPTION
LS250	Terminal Covers for KVKE/VKE 200-250A
LS400	Terminal Covers for KVKE/VKE 400A
LS630	Terminal Covers for KVKE/VKE 630A



## ACCESSORIES FOR ISOLATING SWITCHES

### Handles



LK10Y/R



LK11



LK12



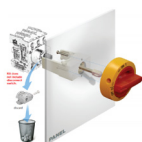
LK13Y/R



LK14

PART NUMBER	DESCRIPTION	
LK10	Black Handle for Isolators	For KU 16-160A Switches
LK10Y/R	Yellow-Red Handle for Isolators	
LK11	Black Overlap Handle for Isolators	
LK11Y/R	Yellow-Red Overlap Handle for Isolators	
LK12	Black Handle for Isolators	For KU 100-160A, KVKE/VKE 125-160A, VKA 200-250A Switches
LK12Y/R	Yellow-Red Handle for Isolators	
LK13	Black Overlap Handle for Isolators	For KVKE/VKE 200-400A Switches
LK13Y/R	Yellow-Red Overlap Handle for Isolators	
LK14	Black Overlap Handle for Isolators	For KVKE/VKE 200-630A Switches
LK14Y/R	Yellow-Red Overlap Handle for Isolators	

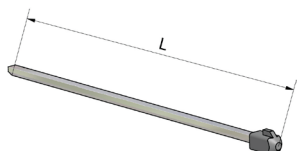
### Door Mounting Kit



PART NUMBER	DESCRIPTION	SUITABILITY
OKA/KU/LK10	Dr Mnt. Kit, Black for 3P KU c/w LK10 HL	For KU Compact Series
OKA/KU/LK10Y/R	Dr Mnt. Kit, Y-R for 3P KU c/w LK10 HL	
OKA/KU4P/LK10	Dr Mnt. Kit, Black for 4P KU c/w LK10 HL	

\*\*\* Select pole and Amp

### Extension Shafts



PART NUMBER	DESCRIPTION	SUITABILITY
L=200AD11	200mm Ext Aluminium Shaft	KU/VKA, LK10 & LK11
L=300AD11	300mm Ext Aluminium Shaft	
L=300AD11/VT	300mm Ext Steel Slanted Shaft	
L=228AD12/T6	Ext Steel Shaft	VKA3250/LS/VS
L=300AD12/T	300mm Ext Steel Shaft	VKE 125-160A, KVKE 63-160A, LK12
LVK=320	320mm Ext Steel Slanted Shaft	KVKE/VKE 200-630A, LK13 & LK14

Auxilliary Contacts



PART NUMBER	DESCRIPTION	SUITABILITY
KU1.V	Aux. Contact 1NO/1NC	For KU 16 - 80A LBS
KU2.V	Aux. Contact 2NO/2NC	
1.V160KU	Aux. Contact, Side mount	For KU 100-160A LBS
2.V160KU	2 x Aux. Contact, Side mount	
VKA1.V	Aux. Contact 1NO/1NC	For VKA 125-160A LBS
VKA2.V	Aux. Contact 2NO/2NC	
VKAC1.V	Aux. Contact 1NO/1NC	For VKA 200-250A LBS
VKAC2.V	Aux. Contact 2NO/2NC	
KVKE1.V	Aux. Contact 1NO/1NC	For VKE 125-630A LBS and KVKE 63-630A Fuse Switch
KVKE2.V	Aux. Contact 2NO/2NC	

METRIC CABLE GLANDS (PLASTIC)



KPK-MVP  
Material: Polyamide  
Colour: Grey, RAL 7035  
IP68



KVM  
Material: Polyamide  
Colour: Grey, RAL 7035

Cable Glands With Strain Relief

PART NUMBER	DESCRIPTION	CABLE Ø MM	THREAD MM	WIDTH MM
KPKM12MVP	Cable Gland,Poly,Gry,IP68,M12	3...6	8	15
KPKM16MVP	Cable Gland,Poly,Gry,IP68,M16	5...10	8	20
KPKM20MVP	Cable Gland,Poly,Gry,IP68,M20	8...13	8	24
KPKM25MVP	Cable Gland,Poly,Gry,IP68,M25	11...17	8	29
KPKM32MVP	Cable Gland,Poly,Gry,IP68,M32	15...21	10	36
KPKM40MVP	Cable Gland,Poly,Gry,IP68,M40	19...28	10	46
KPKM50MVP	Cable Gland,Poly,Gry,IP68,M50	27...35	12	55
KPKM63MVP	Cable Gland,Poly,Gry,IP68,M63	32...42	12	68

Plastic Locknuts

PART NUMBER	DESCRIPTION	WIDTH MM	HEIGHT MM
KVMM12	Cable Gland Locknut,Poly,Grey,M12	17	5
KVMM16	Cable Gland Locknut,Poly,Grey,M16	22	5
KVMM20	Cable Gland Locknut,Poly,Grey,M20	27	6
KVMM25	Cable Gland Locknut,Poly,Grey,M25	32	6
KVMM32	Cable Gland Locknut,Poly,Grey,M32	41	7
KVMM40	Cable Gland Locknut,Poly,Grey,M40	50	7
KVMM50	Cable Gland Locknut,Poly,Grey,M50	60	8
KVMM63	Cable Gland Locknut,Poly,Grey,M63	75	8

METRIC CABLE GLANDS (METAL)



KPK-TVP  
Material: Nickel  
Coated Brass  
IP68



KVM-T  
Material: Nickel Coated Brass

Cable Glands With Strain Relief

PART NUMBER	DESCRIPTION	CABLE Ø MM	THREAD MM	WIDTH MM
KPKM12TVP	Cable Gland,NP Brass,IP68,M12	3...6	5	14
KPKM16TVP	Cable Gland,NP Brass,IP68,M16	5...9	5	17
KPKM20TVP	Cable Gland,NP Brass,IP68,M20	9...13	6	22
KPKM25TVP	Cable Gland,NPBrass,IP68,M25	11...16	7	27
KPKM32TVP	Cable Gland,NPBrass,IP68,M32	14...21	8	34
KPKM40TVP	Cable Gland,NPBrass,IP68,M40	19...27	8	43
KPKM50TVP	Cable Gland,NPBrass,IP68,M50	24...35	9	55
KPKM63TVP	Cable Gland,NPBrass,IP68,M63	32...42	10	65

Metal Locknuts

PART NUMBER	DESCRIPTION	WIDTH MM	HEIGHT MM	PRICE A\$
KVMM12T	Cable Gland Locknut,NP Brass,M12	15	2.8	\$1.80
KVMM16T	Cable Gland Locknut,NP Brass,M16	19	2.8	\$1.80
KVMM20T	Cable Gland Locknut,NP Brass,M20	24	3	\$2.60
KVMM25T	Cable Gland Locknut,NP Brass,M25	30	3.5	\$3.30
KVMM32T	Cable Gland Locknut,NP Brass,M32	36	4	\$5.50
KVMM40T	Cable Gland Locknut,NP Brass,M40	46	5	\$7.90
KVMM50T	Cable Gland Locknut,NP Brass,M50	60	5	\$10.70
KVMM63T	Cable Gland Locknut,NP Brass,M63	70	6	\$19.50

METRIC CABLE GLANDS (STAINLESS STEEL)



KPK-HVP  
Material: Acid proof steel according to AISI 316  
IP68  
Hexagon locknuts included

Cable Glands With Strain Relief

PART NUMBER	DESCRIPTION	CABLE Ø MM	THREAD MM	WIDTH MM
KPKM20HVP	Cable Gland c/w Locknut,SS316,M20	8...15	6	24
KPKM25HVP	Cable Gland c/w Locknut,SS316,M25	13...20	7.5	32
KPKM32HVP	Cable Gland c/w Locknut,SS316,M32	18...25.5	8	38



# Terms and Conditions of Sale

APS Industrial Pty. Ltd.

A.B.N. 136 234 754 81

"APS Industrial"

## Terms and Conditions of Sale:

Authorised Officer means a Director or Secretary of APS Industrial or one of its Commercial Managers. Conditions means these Terms and Conditions of Sale.

Goods means the goods sold by APS Industrial to You.

Guarantor means the person named in the Guarantee and Indemnity (if applicable).

Terms and Conditions means these Terms and Conditions of Sale. You, Your, means the Customer buying Goods from APS Industrial.

### 1. GENERAL

APS Industrial supplies Goods subject to these Terms and Conditions to the exclusion of all other conditions not agreed by APS Industrial in writing.

### 2. ENTIRE AGREEMENT

These Terms and Conditions comprise the entire agreement between You and APS Industrial and all statements and representations by any APS Industrial employee or officer are excluded.

### 3. VARIATION

APS Industrial is not bound by any variation of these Terms and Conditions unless confirmed in writing by an Authorised Officer.

### 4. CHANGES

APS Industrial may change these Terms and Conditions from time to time. The Terms and Conditions are available for perusal on the APS Industrial website ([www.apsindustrial.com.au](http://www.apsindustrial.com.au)).

### 5. SEVERABILITY

If any provision of these Terms and Conditions should be held to be invalid in any way or unenforceable, the provision shall be severed and the remaining provisions shall not be affected or impaired and these Terms and Conditions shall be construed so as to give effect to APS Industrial's intent.

### 6. QUOTATIONS

6.1 Any quotation by APS Industrial for the supply of goods will be made subject to these Terms and Conditions.

6.2 A quotation is not an offer or obligation to sell goods.

6.3 APS Industrial may accept or reject Your order in response to a quotation at its sole discretion.

6.4 Quotations are current for a period of thirty days from the date given unless withdrawn or changed by APS Industrial in that period.

6.5 An order in response to a quotation in which You include alterations in design or specification of goods will constitute a request for a further quotation.

6.6 If APS Industrial becomes aware of any increase in the cost to APS Industrial of acquiring or supplying goods APS Industrial may amend a prior quotation.

6.7 Prices in a quotation are current at the date of quotation and are made in Australian currency unless otherwise specified.

### 7. AVAILABILITY OF GOODS

APS Industrial may refuse Your order if goods You want are not in stock or are otherwise unavailable or if APS Industrial is unable to supply the quantity You want because goods in stock have been appropriated to the orders of other customers.

### 8. YOUR SPECIFICATIONS

If Your order refers to specifications or drawings APS Industrial will not supply Goods to comply with them unless You have supplied them to APS Industrial before placing the order and APS Industrial has agreed in writing to supply goods which comply with them.

### 9. PRICES

9.1 Prices do not include freight charges, government taxes or imposts which You agree to pay in addition to the price.

9.2 APS Industrial may change prices without notice.

9.3 Prices in APS Industrial's catalogues and price lists are recommended sales prices only and do not constitute representations that APS Industrial will sell at such prices.

9.4 APS Industrial will supply Goods in response to Your order at the price current at the date of despatch.

### 10. MINIMUM ORDER CHARGE

APS Industrial reserves the right to charge a minimum order charge in addition to the cost of Goods.

### 11. PAYMENT

11.1 If APS Industrial has not agreed to supply Goods to You on credit You must pay the invoice amount before APS Industrial will order or deliver Goods to You.

11.2 If APS Industrial has agreed to supply Goods to You on credit You must pay the amount of each invoice within 30 days of the date of the invoice end of month.

11.3 You may pay by electronic funds transfer, credit card or by cheque. Payment will not be regarded as made by cheque until APS Industrial is informed by its bank that it holds cleared funds. Payment by credit card will incur a fee plus goods services tax equivalent to the bank fee charged for processing the transaction.

11.4 You must pay an invoice amount without any set-off, deduction or condition unless agreed by APS Industrial in writing.

11.5 If APS Industrial has agreed that You may make payment contingent upon an agreed event You must make payment within 30 days of the occurrence of completion of the event.

### 12. INTEREST ON UNPAID AMOUNTS

12.1 You agree to pay interest on any amount payable by You and not paid within the time specified in paragraph 11 at the rate of interest charged from time to time to APS Industrial by its bankers on overdraft accommodation of amounts less than \$100,000.

12.2 When interest is payable by You APS Industrial will apply any amount received from You first, in payment of the interest and secondly, in payment or part payment of the unpaid price of Goods.

12.3 Imposition of interest does not extend the time in which You are to pay any amount payable by You.

### 13. CANCELLATION OF ORDERS

If You cancel an order and APS Industrial has incurred any cost and/or expense (including without limitation procuring Goods from a supplier in or outside of Australia) in fulfilling the order before it receives notice of cancellation You agree to indemnify APS Industrial for such cost and/or expense.

### 14. RISK AND INSURANCE

Risk in the Goods (including responsibility to take out insurance) passes to You at the place of delivery of the Goods to You.

### 15. DELIVERY OF GOODS

15.1 APS Industrial will deliver the Goods to You when it passes the Goods to a carrier at APS Industrial's warehouse or storage facility.

15.2 APS Industrial will not be liable to You for any delay in delivery or non-delivery of Goods or any part of them arising from events beyond its control.

### 16. TRANSPORT OF GOODS

Unless APS Industrial agrees at Your request to arrange the carriage of Goods You must arrange for the Goods to be transported to a location of Your choice. Irrespective of whether You or APS Industrial arranges for carriage of Goods You agree that the carrier is Your agent and You must pay for the cost of carriage. APS Industrial is not liable for any loss or damage to Goods while in possession or control of a carrier.

### 17. INSPECTION OF GOODS

17.1 Upon receipt of Goods You must endorse on the carrier's invoice or cart note any short delivery or visible damage to packaging or Goods.

17.2 You must give notification to APS Industrial in writing within seven days from the date of receipt of Goods, notice of alleged short delivery or alleged defect in the goods or any alleged non-conformity of Goods with Your order.

17.3 You waive any claim for short delivery or non-compliance with any order if You have not notified APS Industrial within seven days from the receipt of the Goods.

### 18. DEFECTIVE GOODS

18.1 APS Industrial guarantees Goods which it manufactures against faulty workmanship, materials or design for a period of twelve months from the date of delivery.

The guarantee does not apply where defect arises from materials supplied by You or from a design requested by You, replacements or repairs resulting from normal wear of units and machinery, corrosive atmosphere, damage or injury caused by lack of care, insufficient inspection or maintenance, improper use or defects arising from an event outside APS Industrial's control including but not limited to fire, flood, earthquake or other natural calamity, motor vehicle or other accident, strike, civil unrest, terrorism or war.

18.2 The guarantee is limited to repairing or replacing the parts or units recognised as defective within the shortest reasonable time at APS Industrial's expense inclusive of parts and labour but exclusive of transport and/or travelling expense, each of which shall be at Your cost.

18.3 APS Industrial's liability and that of its resellers is wholly limited to the original cost of the product sold.

18.4 Any unauthorised repairs or alterations to the Goods will make this warranty void.

18.5 If You wish to take advantage of this guarantee, You must contact APS Industrial's office and provide written details of Your order and a detailed description of the fault including how and when the event occurred within the period specified in 18.1 above.

18.6 When APS Industrial has not manufactured Goods, APS Industrial undertakes that it will, if requested in writing by You, make all reasonable endeavours to assist You to obtain from the manufacturer the benefit of any guarantee or warranty which the manufacturer may have expressly given as to the quality of fitness for any purpose of the Goods except as may otherwise be provided for by law.

18.7 APS Industrial's sole liability in respect of any faulty Goods not manufactured by APS Industrial shall be limited to fulfilment of this undertaking.

18.8 APS Industrial shall not be liable for any injury, damages, expense or loss of profit direct or consequential arising out of the use of installation of products supplied by APS Industrial all of which are supplied at Your sole risk.

### 19. RETURN OF GOODS

19.1 You may not return Goods to APS Industrial for credit unless APS Industrial has consented in writing and any return will be accepted under the following conditions:

19.1.1 You may only return the goods when accompanied by a Goods return authorisation provided by APS Industrial.

19.1.2 You must prepay freight and packing costs and enclose a packing list with the Goods.

19.1.3 You must return the Goods in an undamaged condition to be certified by APS Industrial's quality controller.

19.1.4 APS Industrial will allow credit only on an original invoice price less a restocking fee.

19.1.5 APS Industrial will not allow credit for non-standard specifically procured Goods custom made or indent goods.

19.1.6 Goods returned as faulty may be subject to testing to determine liability for fault. Goods found not to be at fault will not be accepted for credit.

## 20. RIGHTS OF APS INDUSTRIAL

20.1 If:

20.1.1 Distress, execution or other legal processes are levied upon any of Your assets;

20.1.2 You enter into any arrangement or composition with Your creditors, commit any act of bankruptcy or being a company, a controller (as defined in the Corporations Act) is appointed to the whole or any part of Your assets, You enter into liquidation or voluntary administration or a winding up petition is presented against You or You call a meeting of creditors; or

20.1.3 You do not pay for Goods on the due date; or

20.1.4 You breach any material provision of the contract constituted by acceptance by You of these Terms and Conditions or as varied by APS Industrial;

20.1.5 then without prejudice to its rights under any other Clause or at law, APS Industrial may (but it is not bound to do so) do any of the following: terminate the contract, suspend delivery of all or any outstanding orders to You, require immediate payment on delivery for all Goods delivered or to be delivered after the relevant event or require immediate payment for any Goods delivered and not paid for by You prior to the event.

## 21. RETENTION OF TITLE

21.1 Notwithstanding the Goods are at Your risk in whole or in part, APS Industrial retains the property and a legal title to the Goods until You have paid to APS Industrial amounts due in respect for Goods supplied by APS Industrial to You.

21.2 Until You have fully paid for the Goods:

21.2.1 Buyer agrees that all Goods shall remain the property of Supplier and the property in, title to, all Goods shall not pass to the Buyer until such time as the Supplier has:

i. been paid in full for all Goods; and

ii. received payment of all other sums that are owing by the Buyer to the Supplier; and

iii. all moneys owing and referred to above i and ii have been collected and cleared by the Supplier.

21.2.2 The Supplier may in its discretion, allocate any payment received from the Buyer towards any invoice that the Supplier determines and may do so at the time of receipt or at any time afterwards. On any default by the Buyer, Supplier may re-allocate any payments previously received and allocated. In the absence of any payment allocation by Supplier, payment will be deemed to be allocated in such manner as preserves the maximum value of Supplier's Purchase Money Security Interest (as defined in the PPSA) in the Goods.

21.2.3 The Supplier and the Buyer acknowledge these Terms constitute a Security Agreement under the PPSA.

## 22. PERSONAL PROPERTY SECURITIES ACT (PPSA)

22.1 Defined terms in this Clause have the same meaning as those given to them in the PPSA.

22.2 You and APS Industrial acknowledge that these Terms and Conditions constitute a Security Agreement for the purposes of Section 20 of the PPSA and gives rise to a purchase money security interest in favour of APS Industrial over the Goods supplied to You as Grantor pursuant to the Terms and Conditions. The Goods to be supplied under these Terms and Conditions fall within the PPSA classification of "Other Goods" acquired by You pursuant to these Terms and Conditions.

22.3 You agree to execute such documents and do such further acts and things as may be required by APS Industrial to perfect the security interest granted by You to APS Industrial under these Terms and Conditions and the PPSA by registration and ensure that all of Your obligations are discharged and fully satisfied. APS Industrial's security interest under the Terms and Conditions remains perfected and has priority over all other security interests in the collateral (except for the security interests that APS Industrial has expressly agreed to subordinate).

22.4 You undertake that You will not without APS Industrial's prior written consent (which it may grant in its sole discretion) change or permit the change of any of its details that are required to be included in the financing statement.

22.5 You may not grant any security interest in all or any of the Goods except with the prior written consent of APS Industrial (which may be withheld in its sole discretion). You agree that APS Industrial may apply to register its security interest in the Goods at any time before or after delivery of the Goods. You irrevocably waive Your rights under Section 157 of the PPSA to receive a notice of any verification statement in respect of the Company's security interest under these Terms and Conditions.

22.6 Pursuant to Section 115(1) of the PPSA the parties contract out of each provision of the PPSA referred to in the Section.

22.7 Each party waives its rights to receive each notice which under Section 157(3) of the PPSA it is permitted to waive and each party waives its right to receive anything from any other party under Section 275 of the PPSA.

22.8 You acknowledge that You have received value, as at the date of the first delivery of the Goods and You have not agreed to postpone the time for attachment of the security interest granted to the Company under these Terms and Conditions.

## 23. SET OFF

At any time APS Industrial may offset any amount or obligation APS Industrial may owe You against any amount which You owe to APS Industrial on any account whatsoever.

## 24. TESTING

APS Industrial may at its own expense carry out tests on Goods in accordance with its standards and testing procedures. Any additional tests, procedures and associated documentation required by You are at Your expense.

## 25. FITNESS FOR PURPOSE

You agree that You do not rely on the skill and judgment of APS Industrial or any of its' employees in relation to the suitability of any of the Goods for a particular purpose or application for which You require the Goods and APS Industrial is under no liability of any kind whatsoever if the Goods are not suitable and unfit for purpose. You must ensure the Goods supplied are fit for the purpose for which they are to be used. You cannot rely on any assurance from APS Industrial or its employees on any Goods delivered unless those assurances are in writing and hand-signed by a duly Authorised Officer. A list of Authorised Officers is available on request.

## 26. COMPLIANCE WITH LAWS AND INSTRUCTIONS

You are solely responsible for obtaining all necessary permits and licences to comply with all applicable legislation, regulations, by-laws or rules in connection with installation and operation of the Goods. You must comply with all instructions provided by APS Industrial, its supply line partners or suppliers in relation to the fitting installation and use of the Goods. Failure to comply with this Clause will make void the warranty contained in these Terms and Conditions.

## 27. LEGISLATION

If as a result of any legislation becoming applicable to these Terms and Conditions or any changes in legislation or interpretation by a Court or by any authority charged with its administration, APS Industrial becomes liable to pay any tax duty, excise levy or impost in respect of any amount received from You, then You must pay APS Industrial these additional amounts upon demand.

## 28. TRUST

If You are the trustee of a trust that You enter into this Agreement in both Your capacity as trustee and in Your personal capacity and that You have the power to execute this Agreement under the Deed constituting the trust then You will not retire as trustee or appoint a new or additional trustee without advising APS Industrial in writing (in which case APS Industrial may require new guarantors to sign a guarantee.)

## 29. INFORMATION DRAWINGS AND DOCUMENTATION

29.1 All descriptive specifications, illustrations, drawings, data, dimensions and weights provided by APS Industrial or otherwise contained in APS Industrial's publications including price lists, brochures, catalogues, electronic media and other advertising material are approximate only and are intended to be by way of general description of Goods and shall not form part of the Agreement between APS Industrial and You unless otherwise specified by APS Industrial.

29.2 If following the acceptance of an order You request APS Industrial to provide specifications and drawings, APS Industrial may at its discretion produce such specifications and drawings at Your reasonable expense.

29.3 Any drawings, studies or other documents submitted by APS Industrial to You remain the property of APS Industrial and constitute confidential information, intellectual property and copyright of APS Industrial. You must not use them for any purpose other than in accordance with these Terms and Conditions and must not transmit, disclose or make them available to any third parties without APS Industrial's prior written consent.

## 30. FORCE MAJEURE

APS Industrial will not be liable for any loss, damage or delay arising out of its failure (or that of its suppliers and sub-contractors) to perform obligations under the Terms and Conditions due to causes beyond its reasonable control including without limitation Acts of God, acts or omissions of You or Your agents, acts of civil or military authority, fires, strikes, floods, epidemics, crime scene restrictions, war, riots, acts of terrorism, delays in transportation or transportation embargo. In the event of such delay APS Industrial's performance dates will be extended for such length of time as may be reasonably necessary to enable APS Industrial to perform its obligations. If the event continues for a period of three months or more APS Industrial may (without affecting the accrued rights and obligations of the parties as at the date of termination) terminate this Agreement immediately by giving written notice to You.

## 31. AUSTRALIAN CONSUMER LAW

31.1 If You are a consumer (as defined in the Australian Consumer Law) or in any other law of the Commonwealth or any other State or Territory of Australia, Your rights shall be governed by the provisions of the Consumer and Competition Act and the Australian Consumer Law and law of a State or Territory to the extent that such liability may not be excluded by express agreement.

31.2 If liability may not be excluded by express agreement and where the Goods to be provided by APS Industrial are not of a kind or merely acquired for personal domestic or household use or consumption, the liability of APS Industrial for a breach of a conditional warranty implied by the Competition and Consumer Act shall be limited to the repair of the Goods or at APS Industrial's option the replacement of the Goods or the supply of equivalent Goods.

## 32. INTELLECTUAL PROPERTY

Goods offered for sale or supplied by APS Industrial may be the subject of patents, registered designs, trademarks, copyright or other proprietary and legal protection and You will immediately notify APS Industrial of any suspected infringement of such rights. To the best of APS Industrial's knowledge Goods sold do not infringe any patent, trademark, registered design or copyright of any third party.

## 33. CREDIT WORTHINESS & CREDIT LIMITS

All business with You is done on the basis you have established a credit limit with APS Industrial appropriate to the size of the business You wish to conduct. You can check your credit limit by emailing [accounts@apsindustrial.com.au](mailto:accounts@apsindustrial.com.au). Failure to establish an appropriate credit limit may cause delays to order processing. You are strongly advised to establish and or check your credit limit prior to ordering to avoid delays. APS Industrial can at its own discretion ship goods to You over and above Your credit limit. In the event Your credit account is over Your established credit limit You will make payment to return the account to be within the credit limit. APS Industrial can at its own discretion place the credit account on hold until the account is brought back within the credit limit. Accounts not paid according to trading terms in clause 11 may be placed on stop by APS Industrial at its discretion regardless if over or within credit limit.

## 34. JURISDICTION

This agreement is governed by the laws of Victoria, Australia.





## OUR LOCATIONS

### National footprint with strategic local stockholdings.

APS Industrial is headquartered in Melbourne and in addition has a national network of offices in Adelaide, Perth, Sydney, Brisbane and Tasmania supported by strategic local stockholdings and expert technical and application knowledge.

**[apsindustrial.com.au](http://apsindustrial.com.au)**

### CONNECT WITH US



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