



Palazzoli  
GROUP



Switch Fuses



Switches in Technopolymer



Fire Rated Switches



Multi-diagram  
control Switches

The most suitable solution  
for every environment,  
for every need



Switched Interlocked  
Sockets



Hazardous Areas  
Switches



Heavy Duty  
Switches Aluminium



Heavy Duty  
Switches  
Aluminium



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# ISOLATOR SWITCH



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AMA57540

Rotary Switches AC3-AC23A

# ISOLATOR SWITCH



## Rotary Switches in Technopolymer.

### 1. Lockable Switch

The handle is lockable in both on and off position, assuring the maximum security against unauthorised interventions

### 2. Full rated AC3 - AC23A category

The isolator Switch is AC3-AC23A at rated current permitting safe operation even with highly inductive loads (eg. Motors).

### 3. Robust and wide enclosure

The enclosure is wider than the average on the market in order to achieve an easier and faster wiring. The techno polymer construction ensures top level resilience to both physical and chemical.

## Data sheet & Drawings

Conformity to standards	IEC/EN 60947-3
Body material	Technopolymer
Protection rating (IEC/EN 60529)	IP65
Colour	RAL7035 (enclosure) RAL1018 (cover) RAL3000 (handle)

Resistance to impacts (IEC/EN 62262)	IK10
Insulation class	II □
Glow Wire Resistance (IEC/EN 60529)	960 °C Switch 650 °C Enclosure
Operating temperature	-25°C - +60°C

# FIRE RATED ISOLATOR SWITCH



## Fire rated F400 isolator switch in aluminium alloy.

### 1. High visibility handle

The high visibility operating handle, patented by Palazzoli, allows even non-expert users to immediately understand the switch status.

### 2. Full rated AC3-AC23A category

The isolator Switch is AC3-AC23A at rated current that allows safe operation even with highly inductive loads (ex. Motors).

### 3. Customisable entry flanges

Cable entries can be easily customised thanks to blind or threaded flanges from the Alupres Range.

## Data sheet

Conformity to standards	IEC/EN 60947-3 IEC/EN 60947-5-1 EN 12101-3
Body material	Aluminium alloy
Protection rating (IEC/EN 60529)	IP66/IP67 (16A-63A) IP55 (125A)
Colour	RAL5012 (cover) RAL7035 (base)

Resistance to impacts (IEC/EN 62262)	IK10
Insulation class	I
EN12101-3 classification	400 °C 120'
Operating temperature	-25°C - +70°C

## Data sheet & Drawings

Conformity to standards	IEC/EN 60947-3
Body material	1.2 mm mild Steel or GRP * AISI304 stainless Steel available on request*
Protection rating (IEC/EN 60529)	IP65
Colour	RAL7035

Resistance to impacts (IEC/EN 62262)	> IK10
Insulation class	I Steel II GRP □
Supplied with	BS88 Fuse cartridges
Operating temperature	-30 °C - + 100°C

## Range

Rated current (A)	Poles	CAM scheme	Lewden code	Pack Q.ty	Dimensions (HxWxD) mm
16	2	1	208162	1	158x121x126
	3	2	208163	1	158x121x126
	4	3	208164	1	158x121x126
25	3	2	208253	1	158x121x126
	4	3	208254	1	158x121x126
32	2	1	208322	1	158x121x126
	3	2	208323	1	158x121x126
40	4	3	208324	1	158x121x126
	3	2	208403	1	250x158x139
63	4	3	208404	1	250x158x139
	2	1	208632	1	250x158x139
100	3	2	208633	1	250x158x139
	4	3	208634	1	250x158x139
	3	2	208103	1	250x158x139
	4	3	208104	1	250x158x139

Equipment included: with terminal cover.

## Rated operating current

Thermal current Ith	A	16	25	32	40	63	100
AC21A	415V	A	16	25	32	40	63
	500V	A	16	25	32	40	63
AC22A	415V	A	16	25	32	40	63
	500V	A	16	25	32	40	63
AC23A	230V	A	16	25	32	40	63
	400V	A	16	25	32	40	63
AC23A	230V	kW	4	6,5	8,5	10	12
	400V	kW	7,5	11,5	15	16	21
AC23A	500V	kW	8,5	13	17	18	24
	230V	kW	4	6,5	8,5	9	10
AC3	400V	kW	7,5	11,5	15	16	28
	500V	kW	8,5	13	17	18	36

NOTE: AC 50-60 Hz

Terminal specifications:	16A	25A	32A	40A	63A	100A
Entry sections	mm <sup>2</sup>	1 - 10		10 - 35		
Tightening torque	Nm	2		3		

## Range

Rated current (A)	Poles	Flange size	Lewden code	Pack Q.ty	Dimensions (HxWxD) mm
16	3	F0	152130	1	92x92x103
	4	F0	152140	1	92x92x103
	6	F0	152160	1	125x92x120
25	3	F0	152230	1	92x92x103
	4	F0	152240	1	92x92x103
	6	F0	152260	1	125x92x120
40	3	F1	152330	1	125x125x137
	4	F1	152340	1	125x125x137
	6	F1	152360	1	185x125x150
63	3	F1	152430	1	185x125x150
	4	F1	152440	1	185x125x150
	6	F1	152460	1	185x125x170
125	3	F3	152530	1	315x220x240
	4	F3	152540	1	315x220x240

Equipment included: with terminal cover.  
Characteristics: padlockable handle in position 0.

## Rated operating current

Rated operating current:	A	16	25	40	63	125
AC21A	415V	A	16	25	40	63
	500V	A	16	25	40	63
AC22A	415V	A	16	25	40	63
	500V	A	16	25	40	63
AC23A	230V	A	16	25	40	63
	400V	A	16	25	40	63
AC23A	230V	kW	4,5	7	11	20
	400V	kW	7,5	12	19	34
AC23A	500V	kW	10	14	23	44
	230V	kW	4,5	7	11	20
AC3	400V	kW	7,5	12	19	34
	500V	kW	10	14	23	44

NOTE: AC 50-60 Hz

Terminal specifications:	16A	25A	40A	63A	100A	200A
Entry section	mm <sup>2</sup>	1-4	1,5-6	4-10	6-16	10-25
Tightening torque	Nm	1,5		2		3

# SWITCH FUSES



## Switch Fuses in GRP or Steel enclosure options.

### 1. Robust and wide enclosure

Powder Coated Steel or GRP Enclosure options guarantee high impact resistance, optimal chemical performances, and wide space for comfortable wiring.

### 2. Padlockable and door interlocked

Padlockable in the "off" position, and door interlocked in "on" position, increases security in the installation environment.

### 3. IP 65 Rating

Every enclosure is protected against dust and dirty environments and water splash.

## Data sheet & Drawings

Conformity to standards	IEC/EN 60947-3
Body material	1.2 mm mild Steel or GRP * AISI304 stainless Steel available on request*
Protection rating (IEC/EN 60529)	IP65
Colour	RAL7035

Resistance to impacts (IEC/EN 62262)	> IK10
Insulation class	I Steel II GRP □
Supplied with	BS88 Fuse cartridges
Operating temperature	-30 °C - + 100°C

## Range

Amperage	Part Numbers	Material	Description	Dimensions (HxWxD) mm
100A	207111	STEEL*	Switch Fuse 100A 3P+N mild steel	300 x 250 x 200
	207121	GRP	Switch Fuse 100A 3P+N GRP	305 x 260 x 160
125A	207112	STEEL*	Switch Fuse 125A 3P+N mild steel	300 x 250 x 200
	207122	GRP	Switch Fuse 125A 3P+N GRP	305 x 260 x 160
160A	207113	STEEL*	Switch Fuse 160A 3P+N mild steel	400 x 300 x 150
	207123	GRP	Switch Fuse 160A 3P+N GRP	430 x 340 x 180
200A	207114	STEEL*	Switch Fuse 200A 3P+N mild steel	600 x 400 x 200
	207124	GRP	Switch Fuse 200A 3P+N GRP	505 x 450 x 220
250A	207115	STEEL*	Switch Fuse 250A 3P+N mild steel	600 x 400 x 200
315A	207116	STEEL*	Switch Fuse 315A 3P+N mild steel	700 x 500 x 200
400A	207117	STEEL*	Switch Fuse 400A 3P+N mild steel	700 x 500 x 200
630A	207118	STEEL*	Switch Fuse 630A 3P+N mild steel	800 x 600 x 300

## Accessories

**Auxiliary contacts** for switches up to 32A

Contact type	Lewden code
1 NC late break	270226
1 NO early break	270227
1 NC	270230
1 NO	270231
1NO+1NC	270232

Characteristics: code 270232 is composed of 2 single contacts.

**Adaptor for auxiliary contacts** for base mounted switches 16A/32A

Lewden code: 270235

**Auxiliary contacts** for isolator switches from 63A to 100A 50-60Hz IP65

Lewden code: 200016

## Accessories

**Flanges** flat, in aluminium alloy with metric threading for windowed walls IP67

For windows	Threading type	Projection (mm)	Palazzoli code	Pack Q.ty
F0	M25	18	541050	1
F1	M25	18	541055	1
F1	M32	51	540180	1
F2	M32	51	540185	1
F2	M40	51	540186	1
F3	M40	51	540190	1

**Cable glands** in insulating material with metric threading IP68

Thread	Mounting hole (mm)	Fastening diameter (mm)	Thread length (mm)	Palazzoli code	Pack Q.ty
M25x1,5	25,5	9-18	10	581025	25
M32x1,5	32,5	14-25	10	581032	20
M40x1,5	40,5	18-32	10	581040	10
M50x1,5	50,5	24-38,5	12	581050	5

## Technical data according to IEC60947-3

	100A	125A	160A	200A	250A	315A	400A	630A
Rated operational current 415vac AC21A / AC22A / AC23A	100A	125A	160A	200A	250A	315A	400A	630A
*Rated operational current 220vdc DC21A / DC22A / DC23A (* 2 poles in series)	100A*	125A*	160A*	200A*	250A*	315A*	400A*	630A (Cat B)
Rated operational power AC23 @ 415Vac	55kW	55kW	75kW	110kW	145kW	180kW	230kW	355kW
Rated breaking capacity in category AC23 up to 690VAC	1280A	1280A	1280A	1600A	2000A	3200A	3200A	6400A
Mechanical endurance operations (divide by 2 for cycles)	20000	20000	20000	20000	20000	1600	1600	1000
Bolted lug type terminal connection size (metric thread)	M8	M8	M8	M8	M10	M10	M10	M12
*Fuse size (BS88 part 2) Breaking capacity 80KA @415Vac / 40ka @ 240Vdc	A4	A4	A4	A4	A4	A4	A4	A4
Fuse cartridge size (BS88 part 2)	TCFP100	CTFP125	CTFP160	CTFP200	TKF250	TKF315	TKF400	TKF630
Neutral link size	A4	A4	A4	B2	B3	B3	B4	C2