



Palazzoli
GROUP



ISOLATOR SWITCHES

Thermoplastic
Metal
Fire Rated
Switch Fuses & Switch Disconnectors

ISOLATOR SWITCHES



Rotary Switches in Technopolymer

1. Lockable Switch

The handle is lockable in the OFF position and the front cover interlocked in the ON position, assuring the maximum security against unauthorised interventions.

2. Full rated AC3 - AC23A switching 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 easier and faster wiring. The techno polymer construction ensures top level resilience to physical impact and chemicals.

Data sheet

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

Resistance to impacts (IEC/EN 62262)	IK08
Insulation class	II □
Glow Wire Resistance	960 °C Switch 650 °C Enclosure
Operating temperature	-25°C - +60°C

Range

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

Equipment included: with terminal cover.

Accessories

Auxiliary contacts
for switches up to 32A (Max 2)

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

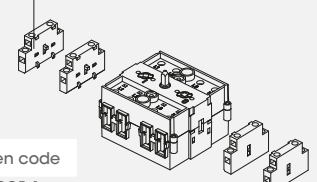
Characteristics: code 270232 is composed of 2 single contacts.

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
(max 2 per side)



Contact type Lewden code
1NO+1NC 200016

Rated operating current

Thermal current Ith	A	16	25	32	40	63	100	
AC21A	415V	A	16	25	32	40	63	100
	500V	A	16	25	32	40	63	100
AC22A	415V	A	16	25	32	40	63	100
	500V	A	16	25	32	40	63	100
AC23A	230V	A	16	25	32	40	50	63
	400V	A	16	25	32	40	50	63
	500V	A	16	25	32	40	50	63
AC23A	230V	KW	4	6,5	8,5	10	12	20
	400V		7,5	11,5	15	16	21	34
	500V		8,5	13	17	18	28	44
AC3	230V	KW	4	6,5	8,5	9	10	16
	400V		7,5	11,5	15	16	17	28
	500V		8,5	13	17	18	22	36

(50-60 Hz)

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

ISOLATOR SWITCH – METAL CLAD



16A - 125A die cast aluminium alloy

1. Full rated AC23A switching category

The isolator Switch is AC23A utilisation, permitting safe operation even with highly inductive loads (e.g. Motors).

2. Modular Construction

Options for switched or solid neutral pole & multiple auxiliary contacts.

3. Padlockable and door interlocked

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



*Padlock not included

Data sheet

Conformity to standards	EN 60947-3 EN60529	Resistance to impacts (IEC/EN 62262)	IK08
Body material	Aluminum Alloy	Insulation class	I
Ingress Protection Rating (IEC/EN 60529)	IP67	Glow Wire Resistance	960 °C Switch
Colour	RAL7046 (enclosure)	Operating temperature	-25 to +55 °C

Range

Rated current (A)	Poles	Lewden code	Dimensions (HxWxD) mm
16	2	206162	150x105x129
	3	206163	150x105x129
	4	206164	150x105x129
25	2	206252	150x105x129
	3	206253	150x105x129
	4	206254	150x105x129
32	3	206323	150x105x129
	4	206324	150x105x129
40	2	206402	150x105x129
	3	206403	150x105x129
	4	206404	150x105x129
63	2	206632	200x135x129
	3	206633	200x135x129
	4	206634	200x135x129
80	3	206803	200x135x129
	4	206804	200x135x129
100	3	206103	320x205x156.6
	4	206104	320x205x156.6
125	3	206123	320x205x156.6
	4	206124	320x205x156.6

Rated operating current

Thermal current Ith	A	16	25	32	40	63	80	100	125	
AC21A	415V									
	500V	A	16	25	32	40	63	80	100	125
AC22A	415V									
	500V	A	16	25	32	40	63	80	100	125
AC23A	415V			25	32	40	63	80	100	125
	500V	A	16	20	25	32	63	63	80	100
AC23A	415V			11	15	18.5	30	37	45	55
	500V	KW	7.5	11	15	18.5	30	37	45	55
(50-60 Hz)										

Terminal specifications:	16A	25A	32A	40A	63A	80A	100A	125A
Enclosed Switch	mm ²	0.75 - 6			1.5 - 25		10 - 50	
Switch Body	mm ²	0.75 - 10			1.5 - 35		10 - 70	

Accessories

Auxiliary Contacts*					
Part No.	Config.	Module Width (mm)	Parameters	Ui	Uimp
206911	1NO+1NC	9mm	AC-13:10A 230V~ AC-15:6A 230V~	600V	6kV

*Suitable for all models

Add on Neutral pole (unswitched)			
Part No.	Config.	Compatible with switches	width (mm)
206940	40A unswitched	16-40A	12
206980	80A unswitched	63-80A	17.5
206912	125A unswitched	100-125A	23.8



Add on blocks



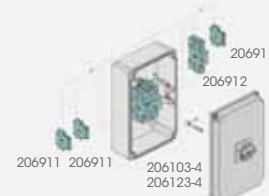
16-40A Switches

Maximum add on blocks
4x Auxiliary (206911) or
3x Auxiliary (206911) +
1 N pole (206940)



63-80A switches

Maximum add on blocks
4x Auxiliary (206911) or
2x Auxiliary (206911) +
1 N pole (206980)



100-125A Switches

Maximum add on blocks
4x Auxiliary (206911) or
3x Auxiliary (206911) +
1 N pole (206912)

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 (e.g. Motors).

3. Customisable entry flanges

Cable entries can be easily customised by using blind or threaded flanges.

Data sheet

Conformity to standards	EN 60947-3 / EN12101-3 (400°C for 120 minutes)	Resistance to impacts (IEC/EN 62262)	IK10
Body material	Technopolymer	Insulation class	I
Ingress Protection Rating (IEC/EN 60529)	IP66/IP67 (16A-63A) IP55 (125A-200A)	Glow Wire Resistance	960 °C Switch
Colour	RAL7035 - Base RAL3020 - Cover	Operating temperature	-25°C - +70°C

Range

Rated current (A)	Poles	Flange size	Lewden code	Dimensions (HxWxD) mm
16	3	F0	152130	92x92x103
	4	F0	152140	92x92x103
	6	F0	152160	125x92x120
25	3	F0	152230	92x92x103
	4	F0	152240	92x92x103
	6	F0	152260	125x92x120
40	3	F1	152330	125x125x137
	4	F1	152340	125x125x137
	6	F1	152360	185x125x150
63	3	F1	152430	185x125x150
	4	F1	152440	185x125x150
	6	F1	152460	185x125x170
125	3	F3	152530	315x220x240
	4	F3	152540	315x220x240
200	3	F3	152630	315x220x240
	4	F3	152640	315x220x240

Switches are supplied without closing flanges, see options below.

Equipment included: with terminal cover.

Characteristics: padlockable handle in position 0.

Accessories

Flanges, in aluminium alloy with metric thread & Blind Flange flat, in steel for windowed walls IP67

For windows	Threading type	Projection (mm)	Palazzoli code
F0	M25	18	541050
F1	M25	18	541055
F1	M32	51	540180
F3	M40	51	540190
F0 (Blind)		2.5	540090
F1 (Blind)		5.5	540091
F3 (Blind)		6	540033

*2 Flanges required



Rated operating current

Thermal current Ith	A	16	25	40	63	125	
AC21A	415V	A	16	25	40	63	125
	500V						
AC22A	415V	A	16	25	40	63	125
	500V						
AC23A	230V						
	400V	A	16	25	40	63	125
AC23A	500V						
	230V	KW	4,5	7	11	20	30
	400V		7,5	12	19	34	52
500V	10		14	23	44	64	
AC3	230V	KW	4,5	7	11	20	30
	400V		7,5	12	19	34	52
	500V		10	14	23	44	64

(50-60 Hz)

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

Cable glands in insulating material with metric threading IP68

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



METAL CLAD SWITCH DISCONNECTORS & FUSED SWITCH DISCONNECTORS



Switch Disconnecter or Fused Switch Disconnecter in Mild Steel.

1. Robust and wide IP65 Enclosures

Powder coated mild steel enclosures with a wide space for comfortable wiring, protected against the ingress of dust and water jets from all directions.

2. Fully rated to AC-23A category

The isolator switch is AC-23A at rated current that allows safe operation even with highly inductive loads (e.g. Motors, etc.).

3. Pad lockable and interlocked door

Increased security in the installation environment with the door padlock able in the 'OFF' position and interlocked in the 'ON' position.

Data sheet

Conformity to Standards	IEC60947-3
Body Material	Mild Steel
Ingress Protection Rating (EN60529)	IP65
Colour	RAL 7035
Insulation Class	I

Resistance to impacts (IEC/EN 62262)	IK10
Operating Temperature	
Switch Disconnecter	-25 to +55°C
Fused Disconnecter	-5 to +40°C

Switch disconnecter range

Rated current	Poles	Part Number	Part Number	Dimensions (HxWxD) mm
32A	3P+N	IS324P	Steel Rotary Isolator 32A AC 23A	250x250x150
63A	3P+N	IS634P	Steel Rotary Isolator 63A AC 23A	250x250x150
80A	3P+N	IS804P	Steel Rotary Isolator 80A AC 23A	250x250x150
100A	3P+N	IS1004P	Steel Rotary Isolator 100A AC 23A	300x250x150
125A	3P+N	IS1254P	Steel Rotary Isolator 125A AC 23A	300x250x150

Fused disconnecter range

Rated current	Poles	Part Number	Part Number	Dimensions (HxWxD) mm
32A	3P+N	FIS324P	Steel Fused Switch 32A AC 23A	300x250x150
63A	3P+N	FIS634P	Steel Fused Switch 63A AC 23A	400x300x150
80A	3P+N	FIS804P	Steel Fused Switch 80A AC 23A	400x300x150
80A	3P+N	FIS63804P	Steel Fused Switch 63A, 80A AC 23A	400x300x150
100A	3P+N	FIS1004P	Steel Fused Switch 100A AC 23A	500x300x150
125A	3P+N	FIS1254P	Steel Fused Switch 125A AC 23A	500x300x150
125A	3P+N	FIS1001254P	Steel Fused Switch 100A, 125A AC 23A	500x300x150

Switch disconnecter range

Technical data according to IEC60947-3	Rated Operat. Current	Rated Voltage	AC-21A/B	AC-22A/B	AC-23A/B	Rated Operational Power AC23
32A	32A	415V	32A	32A	32A	15kW
		500V	32A	32A	25A	15kW
		690V	32A	32A	25A	15kW
63A	63A	415V	63A	63A	63A	30kW
		500V	63A	63A	63A	30kW
		690V	63A	63A	40A	30kW
80A	80A	415V	80A	80A	80A	37kW
		500V	80A	80A	63A	37kW
		690V	80A	80A	40A	37kW
100A	100A	415V	100A	100A	100A	45kW
		500V	100A	100A	80A	45kW
		690V	100A	100A	63A	45kW
125A	125A	415V	125A	125A	125A	55kW
		500V	125A	125A	100A	55kW
		690V	125A	125A	63A	55kW

Switch disconnecter range

Technical data according to IEC60947-3	Rated Operat. Current	Rated Voltage	AC-21A/B	AC-22A/B	AC-23A/B	Rated Operational Power AC23
32A	32A	400V	32A	32A	32A	15kW
63A	63A	400V	63A	63A	63A	30kW
80A	80A	400V	80A	80A	80A	37kW
63A/80A	80A	400V	80A	80A	80A	37kW
100A	100A	400V	100A	100A	100A	45kW
125A	125A	400V	125A	125A	125A	55kW
100A / 125A	125A	400V	125A	125A	125A	55kW

Fuse Link and Fuse Holder Ratings

Part Number	Fuse Links included as standard	Fuse Link IEC60269-2 Cylindrical
FIS324P	3x 32A gG	10x38mm
FIS634P	3x 63A gG	
FIS804P	3x 80A gG	
FIS63804P	3x 63A gG / 3x 80A gG	22x58mm
FIS1004P	3x 100A gG	
FIS1254P	3x 125A aM	
FIS1001254P	3x 100A gG/ 3x 125A aM	

Switch Terminal Capacity line/load (min/max)

32A	0.75-1 mm ²
63A-80A	1.5-35 mm ²
100A-125A	10-70 mm ²

Fuse Holder Terminal Capacity line/load (min/max)

32A	1-25 mm ²
63A-100A	4-50 mm ²
125A	4-50 mm ²

SWITCH DISCONNECTORS & SWITCH FUSES



In Steel or GRP Enclosure Options.

1. Robust and wide Enclosure

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

2. Padlockable and door interlocked

Being Padlockable in the "off" position and having a door interlocked in the "on" position, they increase the security in the installation environment.

3. IP65 Protection Rating

Every enclosure is protected by dust dirty environments and water jets from all directions.

Data sheet

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

Resistance to impacts (IEC/EN 62262)	> IK10
Insulation class	I Steel II GRP ☐
Fuse Type	BS88 Fuse cartridges
Operating temperature	- 5 °C - + 40°C

Switch Disconnectors Range

Rated current (A)	Poles	Material	Lewden code	Dimensions (HxWxD) mm
100A	3+N	Steel*	207211	300x250x200
	3+N	GRP	207221	305x260x160
125A	3+N	Steel*	207212	300x250x200
	3+N	GRP	207222	305x260x160
160A	3+N	Steel*	207213	400x300x150
	3+N	GRP	207223	430x340x180
200A	3+N	Steel*	207214	500x400x200
	3+N	GRP	207224	505x450x220
250A	3+N	Steel*	207215	600x400x200
315A	3+N	Steel*	207216	700x500x200
400A	3+N	Steel*	207217	700x500x200
630A	3+N	Steel*	207218	800x600x300

Switch Fuse Range

Rated current (A)	Poles	Material	Lewden code	Dimensions (HxWxD) mm
100A	3+N	Steel*	207111	400x300x150
	3+N	GRP	207121	430x340x180
125A	3+N	Steel*	207112	400x300x150
	3+N	GRP	207122	430x340x180
160A	3+N	Steel*	207113	500x400x200
	3+N	GRP	207123	505x450x220
200A	3+N	Steel*	207114	600x400x200
	3+N	GRP	207124	505x450x220
250A	3+N	Steel*	207115	600x400x200
315A	3+N	Steel*	207116	700x500x200
400A	3+N	Steel*	207117	700x500x200
630A	3+N	Steel*	207118	800x600x300

Switch Disconnectors

Technical data according to IEC60947-3	100A	125A	160A	200A	250A	315A	400A	630A
Rated operational current up to 690vac AC21A / AC22A	100A	125A	160A	200A	250A	315A	400A	630A
Rated operational current up to 690vac AC23A (*415vac AC23A)	80A*	90A*	160A	200A	250A	315A	400A	630A
Rated operational power AC23 @ 415Vac	37kW	45kW	88kW	110kW	145kW	180kW	230kW	355kW
Rated breaking capacity in category AC23 up to 690VAC	640A	720A	1280A	1600A	2000A	2520A	3200A	5040A
Mechanical endurance operations (divide by 2 for cycles)	20000	20000	20000	20000	20000	16000	16000	10000
Bolted lug type terminal connection size (metric thread)	10-70mm Cage clamp	10-70mm Cage clamp	10-70mm Cage clamp	M8	M8	M10	M10	M12
Neutral link size	250A	250A	250A	250A	250A	630A	630A	630A

* AISI304 Stainless Steel Available on request

Switch Fuses

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*	125A*	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	16000	16000	10000
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	TCP100	CTFP125	CTFP160	CTFP200	TKF250	TKF315	TMF400	TIM630
Fuse cartridge size (BS88 part 2)	A4	A4	A4	B2	B3	B3	B4	C2
Neutral link size	250A	250A	250A	250A	250A	630A	630A	630A



Die Cast Aluminium Switches



Switches in Technopolymer



Fire Rated Switches



Switch Fuses & Switch Disconnectors



Switched Interlocked Sockets



Multi-diagram control Switches



Hazardous Areas Switches



Heavy Duty Switches GRP



Heavy Duty Switches Aluminium

The most suitable solution
for every environment,
for every need



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SAFETY IS NOT A GAME



SCAN TO VIEW
THE LIST OF OUR
PLATINUM & GOLD
STOCKISTS FOR
FULL NATIONWIDE
COVERAGE.



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Rob Haworth	RG	Tim Ketterer & Lee Mallett	IP		HU		SN		G
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