

***Palazzoli***

**General**  
Catalogue



2019/2020

# ***Palazzoli***





CHIAREZZA DELLA FUNZIONE  
SEMPLICITÀ DI PROGETTO  
QUALITÀ DELLA MANIFATTURA

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CLARITY OF FUNCTION  
PROJECT SIMPLICITY  
QUALITY OF MANUFACTURE





ZONE	GAS			DUST		
	0	1	2	20	21	22
USABLE			X		X	X

Watertight control devices in aluminium alloy suitable for applications in explosion hazardous areas as defined in ATEX 2014/34/UE Directive.

Box and cover are treated with ecological anticorrosion passivation with fluoro-zirconium treatment and finished with hot polymerised, scratch-resistant, non-ageing, non-toxic polyester paint. The cover is attached to the back box by means of stainless steel screws while the sealing is guaranteed by a gasket in non-ageing elastomer. Designed to enable internal and external earthing. The shaft is made of metal, and the switch is of AC23A-AC3 class at rated current with conditional short-circuit current  $\geq 10\text{kA}$ . Mechanical life of over one million operations.

**Rated operating current:**

			16A	25A	40A	63A
Thermal current Ith	A		16	25	40	63
AC21A	415V	A	16	25	40	63
	500V					
AC22A	415V	A	16	25	40	63
	500V					
AC23A	230V	A	16	25	40	63
	400V					
	500V					
AC23A	230V	kW	4.5	7	11	20
	400V		7.5	12	19	34
	500V		10	14	23	44
AC3	230V	kW	4.5	7	11	18
	400V		7.5	12	19	31
	500V		10	14	23	40

**Wiring data:**

		16A	25A	40A	63A
Entry cable diameter	mm	12-18		16-25	
Entry cable sections	mm <sup>2</sup>	1-4	1.5-6	4-10	6-16
Tightening torque	Nm	1.5		2	

Compliance with standards  
**Directive ATEX 2014/34/EU**  
**EN 60079-0**  
**EN 60079-15**  
**EN 60079-31**  
**Directive 2014/35/EU**  
**EN 60947-3**  
**EN 60947-1**

Atex execution **II 3G 2D**  
**Ex nR IIC T5/T6 Gc**  
**Ex tb IIIC T 85 °C Db**  
**(Table on page 323)**

Material **Aluminium alloy**

Surface treatment **Passivation with fluoro-zirconium treatment**

Paint **Hot polymerised non-toxic, non-ageing polyester**

Colour **RAL 9005 (black)**

Protection rating (IP according to IEC/EN 60529) **IP66/IP67**

Rated current **16A - 25A - 40A - 63A**

Operating voltage **500V**

Operating frequency **50-60Hz**

Conditional short-circuit current isolator switch  **$\geq 10\text{kA}$**

Mechanical duration **>1,000,000 operations**

Insulation class **I**

Operating temperature **-40°C - +65°C**  
**(Table on page 323)**





**SUITABLE FOR ZONE 2 (GAS) AND 21-22 (DUST)**

**TABLE OF AMBIENT TEMPERATURES AND ATEX MARKINGS**

In	Poles	Ambient temperature	Temperature class	Maximum surface temperature	Cable temperature
DUST and GAS					
16A	2,3,4,6	-40°C - +55°C	T6	T85°C	-
		-40°C +65°C			90°C
25A	2,3,4	-40°C - +45°C	T6	T85°C	-
		-40°C +65°C			100°C
	6	-40°C - +40°C	T5	T85°C	-
		-40°C - +60°C			100°C
40A	2,3,4	-40°C - +55°C	T6	T85°C	-
		-40°C +65°C			95°C
	6	-40°C +50°C	T6	T85°C	-
		-40°C +65°C			95°C
63A	3,4,6	-40°C - +40°C	T6	T85°C	-
		-40°C - +55°C			100°C



**Selector switches**  
in aluminium alloy  
for wall-mounting  
50-60Hz IP66/IP67



Rated current (A)	Poles	CAM schemes	Enclosure dimensions (mm)	Entry type	Palazzoli code	Pack Qty
16	3	9	125x185	M25 2xM25	<b>272146EX</b>	1
	4	10	125x185	M25 2xM25	<b>272147EX</b>	1
25	3	9	125x185	M25 2xM25	<b>272246EX</b>	1
	4	10	125x185	M25 2xM25	<b>272247EX</b>	1
40	3	9	125x185	M32 2xM32	<b>272306EX</b>	1
	4	10	125x185	M32 2xM32	<b>272307EX</b>	1
63	3	9	125x185	M32 2xM32	<b>282406EX</b>	1
	4	10	252x185	M32 2xM32	<b>282407EX*</b>	1

**Equipment included:** cable gland in technopolymer. Earthing terminal inside and outside the box.  
**Features:** designed for restricted breathing testing.  
**Notes:**\*the protection rating is IP65.



**Isolator switches**  
in aluminium alloy  
for wall-mounting  
50-60Hz IP66/IP67



Rated current (A)	Poles	CAM schemes	Enclosure dimensions (mm)	Entry type	Palazzoli code	Pack Qty
16	2	2	92x92	M25 M25	<b>272141EX</b>	1
	3	3	92x92	M25 M25	<b>272142EX</b>	1
	4	4	92x92	M25 M25	<b>272143EX</b>	1
25	6	6	125x185	2xM25 2xM25	<b>272144EX</b>	1
	2	2	92x92	M25 M25	<b>272241EX</b>	1
	3	3	92x92	M25 M25	<b>272242EX</b>	1
40	4	4	92x92	M25 M25	<b>272243EX</b>	1
	6	6	125x185	2xM25 2xM25	<b>272244EX</b>	1
	2	2	125x125	M32 M32	<b>272301EX</b>	1
63	3	3	125x125	M32 M32	<b>272302EX</b>	1
	4	4	125x125	M32 M32	<b>272303EX</b>	1
	6	6	125x185	2xM32 2xM32	<b>272304EX</b>	1
63	3	3	125x185	M32 M32	<b>282402EX</b>	1
	4	4	125x185	M32 M32	<b>282403EX</b>	1
	6	6	125x185	2xM32 2xM32	<b>282404EX</b>	1

**Equipment included:** cable glands in technopolymer. Earthing terminal inside and outside the box.  
**Features:** designed for restricted breathing testing.  
**Notes:** the padlockable version is available on request.



The background of the entire page is a night-time satellite view of the Earth, showing the illuminated continents of Europe and Africa. A bright sun or star is positioned at the horizon, creating a lens flare effect. Overlaid on this image is a network of glowing blue lines connecting various points, resembling a global communication or data network. The Palazzoli logo is prominently displayed at the top center.

# **Palazzoli**

— excellence —  
**FROM ITALY**

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