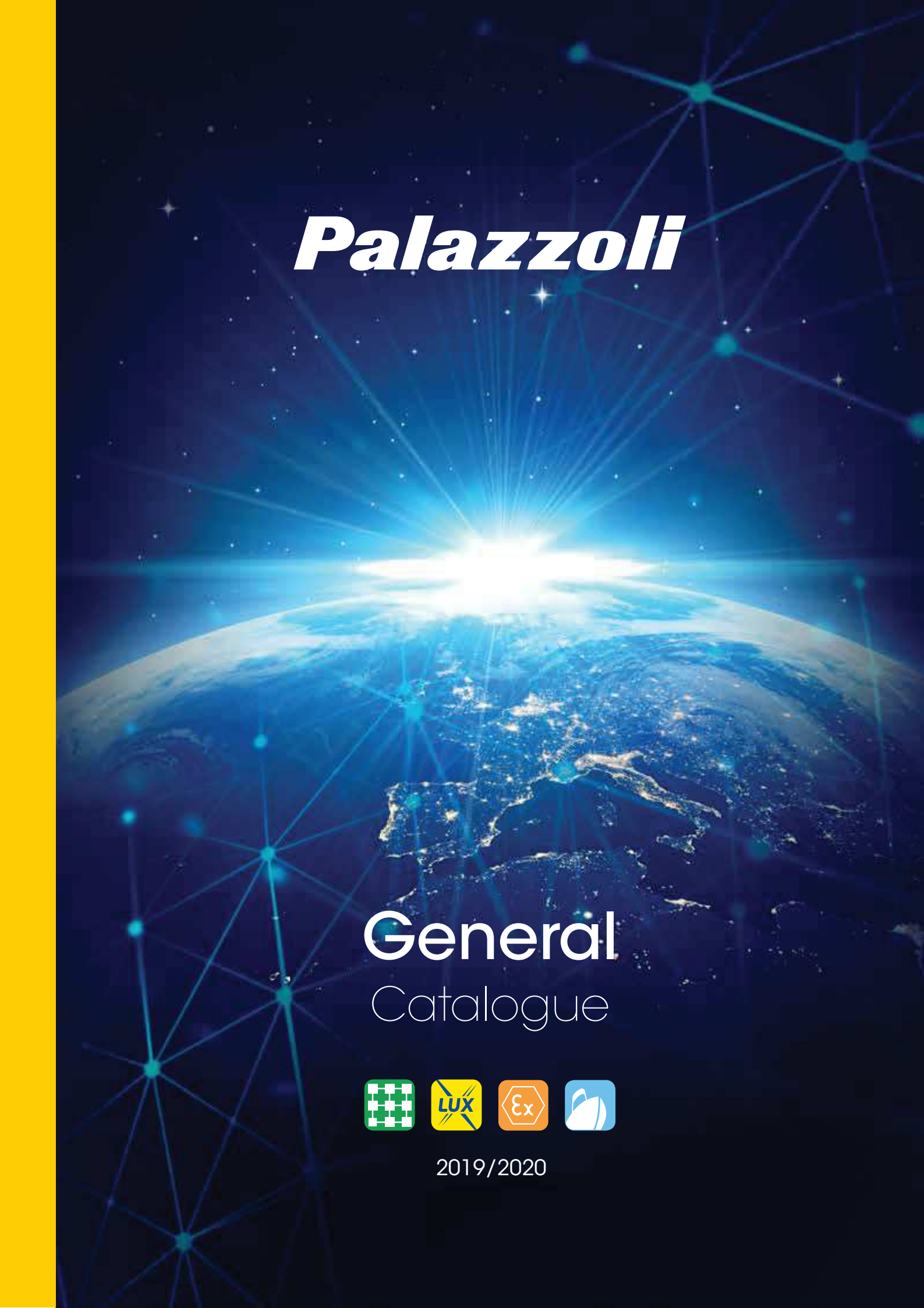




Palazzoli

General Catalogue



2019/2020

Palazzoli



CHIAREZZA DELLA FUNZIONE
SEMPlicità DI PROGETTO
QUALITÀ DELLA MANIFATTURA

CLARITY OF FUNCTION
PROJECT SIMPLICITY
QUALITY OF MANUFACTURE





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

Watertight control devices in Palazzoli antistatic thermosetting GRP suitable for use in explosion hazardous areas as provided for in the ATEX Directive 2014/34/EU.

The cover is attached to the body with stainless steel screws while the sealing is ensured by a gasket in non-ageing elastomer.

Complete with earthing terminal inside the box.

The load is of AC23A-AC3 type with rated current with short-circuit conditional 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		8.5	14	23	44
AC3	230V	kW	4.5	7	11	18
	400V		7.5	12	19	31
	500V		8.5	14	23	40

Wiring data:			16A	25A	40A	63A
Entry cable diameter	mm		12-18		16-25	
Entry cable sections	mm ²		1-10		4-10	6-16
Tightening torque	Nm		2			

Compliance with standards

Directive ATEX 2014/34/EU
EN 60079-0
EN 60079-15
EN 60079-31

Directive LVD 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 321)

Casing material

Palazzoli antistatic thermosetting GRP

Surface resistance

<10⁹ Ω
(prevention of electrostatic charge accumulation)

Protection rating (IP according to IEC/EN 60529)

IP66

Colour

RAL 9005 (black)

Resistance to abnormal heat and fire ("Glow wire" according to IEC/EN 60695-2-10)

960°C

Flammability rating (according to UL94)

V0

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

II

Operating temperature

-40°C - +65°C
(Table on page 321)





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	-40°C - +60°C	T6	T85°C	-
		-40°C+65°C			85°C
25A		-40°C - +55°C			-
		-40°C+65°C	T5		90°C
40A		-40°C+50°C	T6		-
		-40°C+65°C	T5		95°C
63A		-40°C - +45°C	T6		-
		-40°C - +60°C			95°C



Isolator switches
in technopolymer
for wall-mounting
50-60Hz IP66



Rated current (A)	Poles	CAM schemes	Enclosure dimensions (mm)	Hole type	Palazzoli code	Pack Qty
16	2	2	92x125	M25 ↓ M25	292101EX	1
	3	3	92x125	M25 ↓ M25	292102EX	1
	4	4	92x125	M25 ↓ M25	292103EX	1
25	2	2	92x125	M25 ↓ M25	292201EX	1
	3	3	92x125	M25 ↓ M25	292202EX	1
	4	4	92x125	M25 ↓ M25	292203EX	1
40	2	2	125x185	M32 ↓ M32	292301EX	1
	3	3	125x185	M32 ↓ M32	292302EX	1
	4	4	125x185	M32 ↓ M32	292303EX	1
63	2	2	125x185	M32 ↓ M32	292411EX	1
	3	3	125x185	M32 ↓ M32	292412EX	1
	4	4	125x185	M32 ↓ M32	292413EX	1

Equipment included: cable gland in technopolymer. Earthing terminal inside the box.

Features: designed for restricted breathing testing.

Notes: the padlockable version is available on request.

The background of the entire page is a deep blue space scene. At the top, the Palazzoli logo is displayed in white. Below it, the words 'excellence' and 'FROM ITALY' are written in white, with a green and red horizontal bar above 'excellence'. The central part of the image shows the Earth's horizon with city lights visible on the continents. A bright sun or star is rising or setting behind the horizon, creating a lens flare effect. A network of blue lines and dots, resembling a constellation or a digital network, is overlaid on the entire scene.

Palazzoli

— excellence —
FROM ITALY

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