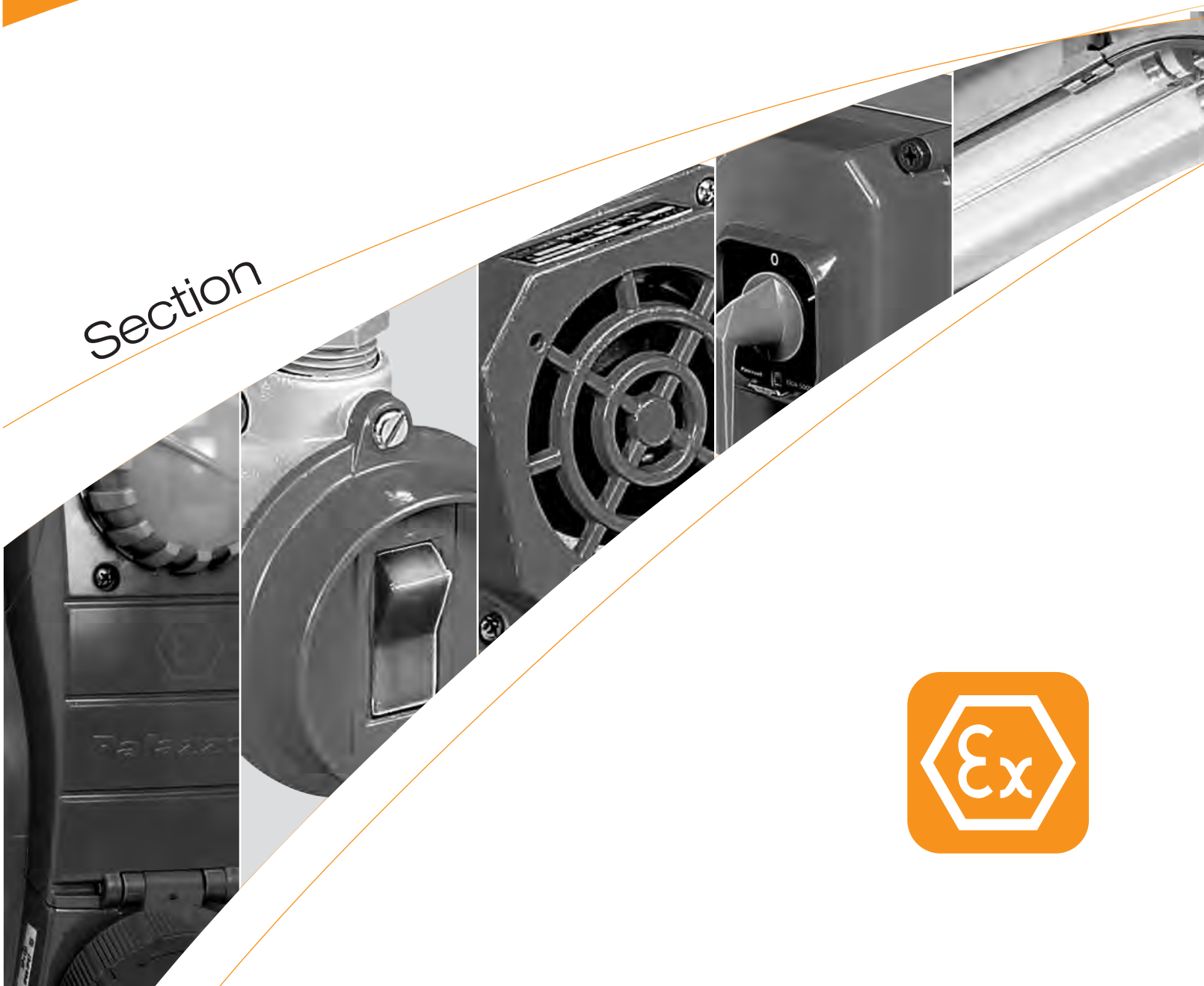


Section





PLUGS AND INTERLOCKED SOCKET-OUTLETS



INDUSTRIAL PLUGS 266



INTERLOCKED SOCKET-OUTLETS 268



WATERTIGHT JUNCTION BOXES 278
TERMINAL BLOCKS 282



**UNIVERSAL FITTINGS
AND ACCESSORIES** 284



**ROTARY CONTROL
AND PROTECTION DEVICES** 289




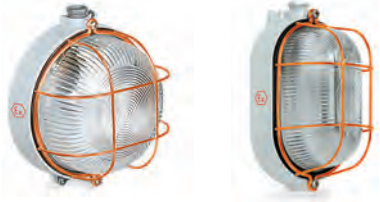

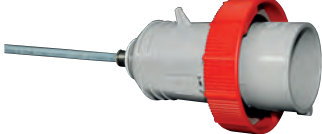
**SIRENS AND BELLS
FOR ALARM AND SIGNALLING** 292





ATEX CONTENTS



SMALL DEVICES FOR CONTROLLING AND SIGNALLING			
	<table><tr><td>SMALL DEVICES IN MODULAR ENCLOSURES</td><td>294</td></tr></table>	SMALL DEVICES IN MODULAR ENCLOSURES	294
SMALL DEVICES IN MODULAR ENCLOSURES	294		
LIGHTING DEVICES			
	<table><tr><td>ALUMINIUM ALLOY LIGHTING FIXTURES</td><td>298</td></tr></table>	ALUMINIUM ALLOY LIGHTING FIXTURES	298
ALUMINIUM ALLOY LIGHTING FIXTURES	298		
	<table><tr><td>STAINLESS STEEL LIGHTING FIXTURES</td><td>300</td></tr></table>	STAINLESS STEEL LIGHTING FIXTURES	300
STAINLESS STEEL LIGHTING FIXTURES	300		
TESTING DEVICES			
	<table><tr><td>DEVICES FOR LIMITED RESPIRATION TESTING</td><td>304</td></tr></table>	DEVICES FOR LIMITED RESPIRATION TESTING	304
DEVICES FOR LIMITED RESPIRATION TESTING	304		

ATEX SERIES
DEVICE CLASSIFICATION

CEE-Ex Plugs			
477203EX		403149EX	
477213EX		403129EX	
477223EX		403136EX	
477303EX		403146EX	
477313EX		403234EX	II 3G Ex nR T6 X
477323EX		403244EX	II2D Ex tD A21
477403EX		403226EX	IP66/IP67 T85°C
477413EX		403239EX	
477423EX		403236EX	
477513EX		403246EX	
477523EX		403339EX	
477216EX	II 3G Ex nA T6 X	408126EX	
477226EX		408136EX	II 3G Ex nR T6 X
477306EX	II 2D Ex tD A21	408146EX	
477316EX	IP66/IP67 T65°C	408226EX	II2D Ex tD A21
477416EX		408236EX	IP66/IP67 T80°C
477426EX		408246EX	
477516EX		408336EX	II 3G Ex nR T6 X
477317EX		408346EX	II2D Ex tD A21
477417EX			IP66/IP67 T85°C
477427EX		415001EX	II 3G Ex nR T6 X
477517EX		415002EX	II2D Ex tD A21
477318EX			IP66/IP67 T75°C
249538EX		415000Ex	II 3G Ex nA T6
259538EX			
249550EX			
ULYSSE-EX Series		TAIS-Ex Series	
400124EX		472610EX	
400134EX		472710EX	
400144EX		472810EX	
400126EX		472620EX	
400139EX	II 3G Ex nR T6 X	472720EX	
400149EX	II2D Ex tD A21	472820EX	
400129EX	IP66/IP67 T80°C	472630EX	
400136EX		472730EX	
400146EX		472830EX	
400137EX		472750EX	II 3G Ex nR T6 X
400147EX		472840EX	
400234EX		472711EX	II2D Ex tD A21
400244EX		472811EX	IP66/IP67 T80°C
400226EX	II 3G Ex nR T6 X	472621EX	
400239EX	II2D Ex tD A21	472721EX	
400236EX	IP66/IP67 T90°C	472731EX	
400246EX		472831EX	
400237EX		472751EX	
400339EX	II 3G Ex nR T6 X	472722EX	
400336EX		472732EX	
400346EX	II2D Ex tD A21	472832EX	
400337EX	IP66/IP67 T110°C	472752EX	
404124EX		464210EX	
404134EX		464310EX	
404144EX		464410EX	
404126EX	II2D Ex tD A21	464220EX	
404139EX	IP66/IP67 T80°C	464320EX	
404149EX		464420EX	
404129EX		464230EX	
404136EX		464330EX	
404146EX		464430EX	II2D Ex tD A21
404234EX		464711EX	IP66/IP67 T85°C
404244EX		464811EX	
404226EX	II2D Ex tD A21	464621EX	
404239EX	IP66/IP67 T90°C	464721EX	
404236EX		464731EX	
404246EX		464831EX	
404339EX	II2D Ex tD A21	464722EX	
404336EX	IP66/IP67 T110°C	464732EX	
404346EX		464832EX	
403124EX		474210EX	
403134EX	II 3G Ex nR T6 X	474310EX	II3G Ex nR T6 X
403144EX	II2D Ex tD A21	474410EX	
403126EX	IP66/IP67 T85°C	474220EX	II2D Ex tD A21
403139EX		474320EX	IP66/IP67 T85°C
		474420EX	
		474230EX	
		474330EX	
		474430EX	
		474711EX	
		474811EX	II3G Ex nR T6 X
		474621EX	II2D Ex tD A21
		474721EX	IP66/IP67 T85°C
		474731EX	
		474831EX	
		474722EX	
		474732EX	
		474832EX	
		470126EX	
		470136EX	
		470146EX	II 3G Ex nR T6 X
		470226EX	
		470236EX	II 2D Ex tD A21
		470246EX	IP66/IP67 T90°C
		470336EX	
		470346EX	
		532026EX	
		532667EX	II 3G Ex nR T6 X
		532618EX	
		532628EX	II2D Ex tD A21
		532619EX	IP66/IP67 T75°C
		532620EX	
		ALUPRES-Ex Series	
		472233EX	
		472243EX	
		472253EX	
		472333EX	
		472343EX	
		472353EX	
		472433EX	
		472443EX	
		472453EX	
		472543EX	
		472553EX	
		472246EX	II 3G Ex nR T6 X
		472256EX	
		472336EX	II 2D Ex tD A21
		472346EX	IP66/IP67 T85°C
		472446EX	
		472456EX	
		472546EX	
		472347EX	
		472447EX	
		472457EX	
		472547EX	
		472348EX	
		472418EX	
		472428EX	
		472518EX	
		511914EX	
		511915EX	II 3G Ex nR T6 X
		511916EX	
		511918EX	II2D Ex tD A21
		511919EX	IP66/IP67 T75°C
		511932EX	
		TAIS-MIGNON-Ex enclosures	
		101021EX	
		101031EX	
		101041EX	
		101061EX	
		101151EX	II 3G Ex nA T6 X
		101161EX	
		101081EX	II 2D Ex tD A21
		101096EX	IP66/IP67 T60°C
		101025EX	
		101035EX	
		101045EX	
		101156EX	
		101157EX	II 3G Ex nA T6 X
			II 2D Ex tD A21
			IP66/IP67 T60°C
		532035EX	
		532045EX	
		532055EX	
		532116EX	
		532117EX	II 3G Ex nR T6 X
		532118EX	
		532005EX	II 2D Ex tD A21
		532006EX	IP66/IP67 T60°C
		532015EX	
		532016EX	
		532017EX	
		532018EX	
		CONTACT-Ex Series	
		532725EX	
		532735EX	
		532745EX	
		532747EX	
		532748EX	
		532755EX	
		532765EX	
		532768EX	
		159030EX	
		159032EX	
		159033EX	
		159034EX	II 3G Ex nA T6 X
		159035EX	
		159036EX	
		159037EX	
		159040EX	
		159042EX	
		159043EX	
		159044EX	
		159045EX	
		159046EX	
		112094EX	
		113094EX	
		TAIS-Ex enclosures	
		531911EX	
		531931EX	II 3G Ex nR T6 X
		531940EX	
		531942EX	II 2D Ex tD A21
		531962EX	IP66/IP67 T60°C
		RONDO'-Ex enclosures	
		112020EX	
		112030EX	
		112040EX	II 3G Ex nA T6 X
		113020EX	II 3D Ex tD A22 IP54 T60°C
		113030EX	
		113040EX	
		ALUPRES-Ex enclosures	
		511910EX	
		511911EX	
		511912EX	
		511913EX	
		150021EX	
		511917EX	
		511920EX	II 3G Ex nR T6 X
		511922EX	II 2D Ex tD A21
		511923EX	IP66/IP67 T60°C
		511924EX	
		511925EX	
		511926EX	
		511927EX	
		511928EX	
		511929EX	



Continuous update to technical Standards on palazzoli.com website

511930EX II 3G Ex nR T6 X

511931EX II 2D Ex tD A21
IP66/IP67 T60°C

UNI-Ex cable glands

571007EX
571009EX
571011EX
571013EX
571016EX
571021EX
571029EX
571036EX
571042EX
571048EX
571107EX
571109EX
571111EX
571113EX
571116EX
571121EX
571129EX
571136EX
571142EX
571148EX
581012EX
581016EX II 2G Ex e II T6

581020EX II 2D Ex tD A21 IP68 T6

581025EX
581032EX
581040EX
581050EX
581063EX
581112EX
581116EX
581120EX
581125EX
581132EX
581140EX
581150EX
581163EX
582112EX
582116EX
582120EX
582125EX
582132EX
582140EX
582150EX
582163EX
580242EX
580243EX
580244EX
580203EX
580232EX
580233EX
580234EX II 3G Ex nA T6

580051EX
580052EX
580054EX
590002EX
590004EX
590032EX

UNI-Ex adaptors

580360EX
580361EX
580364EX II 2G Ex e II T6

580365EX
580394EX II 2D Ex tD A21 IP66/IP67 T6

580395EX
580396EX

CAM-Ex series

292101EX
292102EX II 3G Ex nR T6 X

292103EX
292201EX II 2D tD A21

292202EX IP66/IP67 T60°C

292203EX
292301EX II 3G Ex nR T6 X

292302EX
292303EX II 2D tD A21

292303EX IP66/IP67 T70°C

292411EX II 3G Ex nR T6 X

292412EX
292413EX II 2D tD A21

292413EX IP66/IP67 T80°C

292503EX
292603EX II 3G Ex nR T6 X

292623EX
292703EX II 2D tD A21

292733EX IP66/IP67 T70°C

272141EX
272142EX
272143EX
272144EX
272241EX II 3G Ex nR T6 X

272242EX
272243EX II 2D tD A21

272244EX IP66/IP67 T70°C

272301EX
272302EX
272303EX
272304EX
282402EX II 3G Ex nR T6 X

282403EX
282404EX II 2D tD A21

282404EX IP66/IP67 T80°C

272502EX II 3G Ex nR T6 X

272503EX
282603EX II 2D tD A21

282603EX IP66/IP67 T70°C

272146EX
272147EX II 3G Ex nR T6 X

272246EX
272247EX II 2D tD A21

272306EX IP66/IP67 T70°C

272307EX
282406EX II 3G Ex nR T6 X

282407EX
282407EX II 2D tD A21

282407EX IP66/IP67 T80°C

272507EX II 3G Ex nR T6 X

272507EX II 2D tD A21

272507EX IP66/IP67 T70°C

ALARM-Ex series

900453EX
900463EX II 3G Ex nA T6 X

900473EX
900253EX II 2D Ex tD A21

900263EX IP66 T65°C X

900273EX

TAIS-MIGNON-Ex devices

202271EX
202261EX
202262EX
202282EX
202283EX II 3G Ex nR T6 X

202276EX II 2D Ex tD A21

202266EX IP66/IP67 T60°C

202275EX
202265EX
261435EX
261403EX
261445EX
261413EX
261433EX
800061EX II 3G Ex nA T6 X

800062EX
800064EX II 2D Ex tD A21

800063EX IP66/IP67 T90°C

201151EX II 3G Ex nA T6 X

201152EX
201162EX II 3D Ex tD A22

201156EX IP65 T60°C

201166EX II 3G Ex nA T6 X

201155EX
261021EX II 3D Ex tD A22

261021EX IP65 T60°C

800121EX II 3G Ex nA T6 X

800122EX
800123EX II 3D Ex tD A22

800123EX IP66/IP67 T90°C

RINO-Ex series

831072EX
831172EX
831192EX II 3G Ex nA T4 X

831275EX
831295EX II 2D Ex tD A21

831954EX IP65 T130°C

830072EX
822101EX
822102EX
822103EX
822201EX II 3G Ex nA T4 X

822202EX
822203EX II 2D Ex tD A21

820102EX IP66 T130°C

820202EX
820132EX
820232EX
822961EX II 3G Ex nA T4 X

822962EX
822962EX II 2D Ex tD A21

822962EX IP66 T100°C

822211EX II 3G Ex nA T5 X

820111EX
820211EX II 2D Ex tD A21

820211EX IP66 T85°C


Palazzoli A practical guide to classifying potentially explosive areas is available, written in compliance with European Directives 94/9/EC and 99/92/EC. It can be downloaded from the website www.palazzoli.com, or requested by calling free phone number +39 030 2015270.

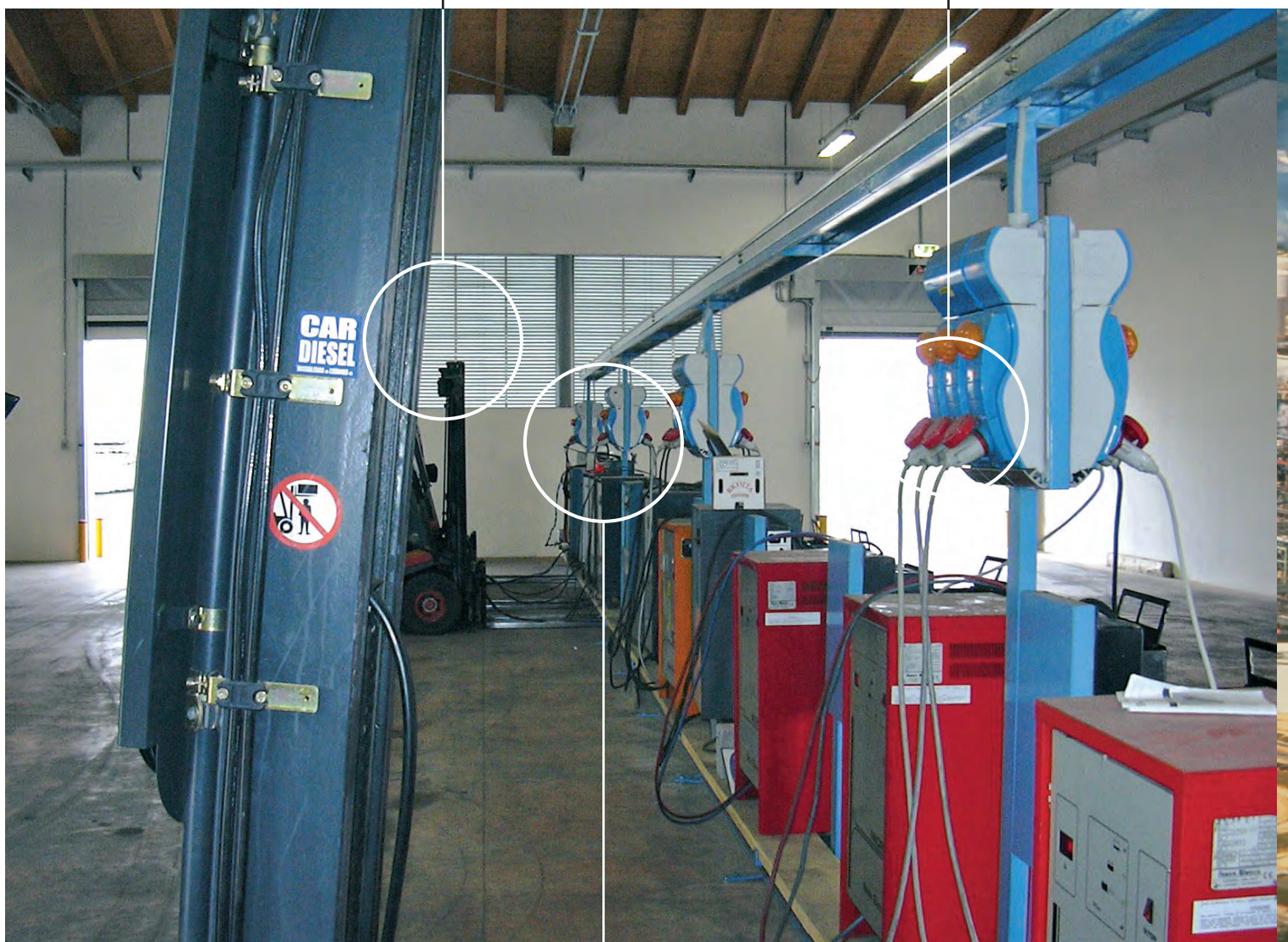


CONNECTIONS AND DRAWING

TAIS-EX
page 272



ULYSSE-EX
page 269



CEE-EX
page 267





JUNCTION, CONTROL, LIGHTING AND SIGNALLING

CONTACT-EX
page 283



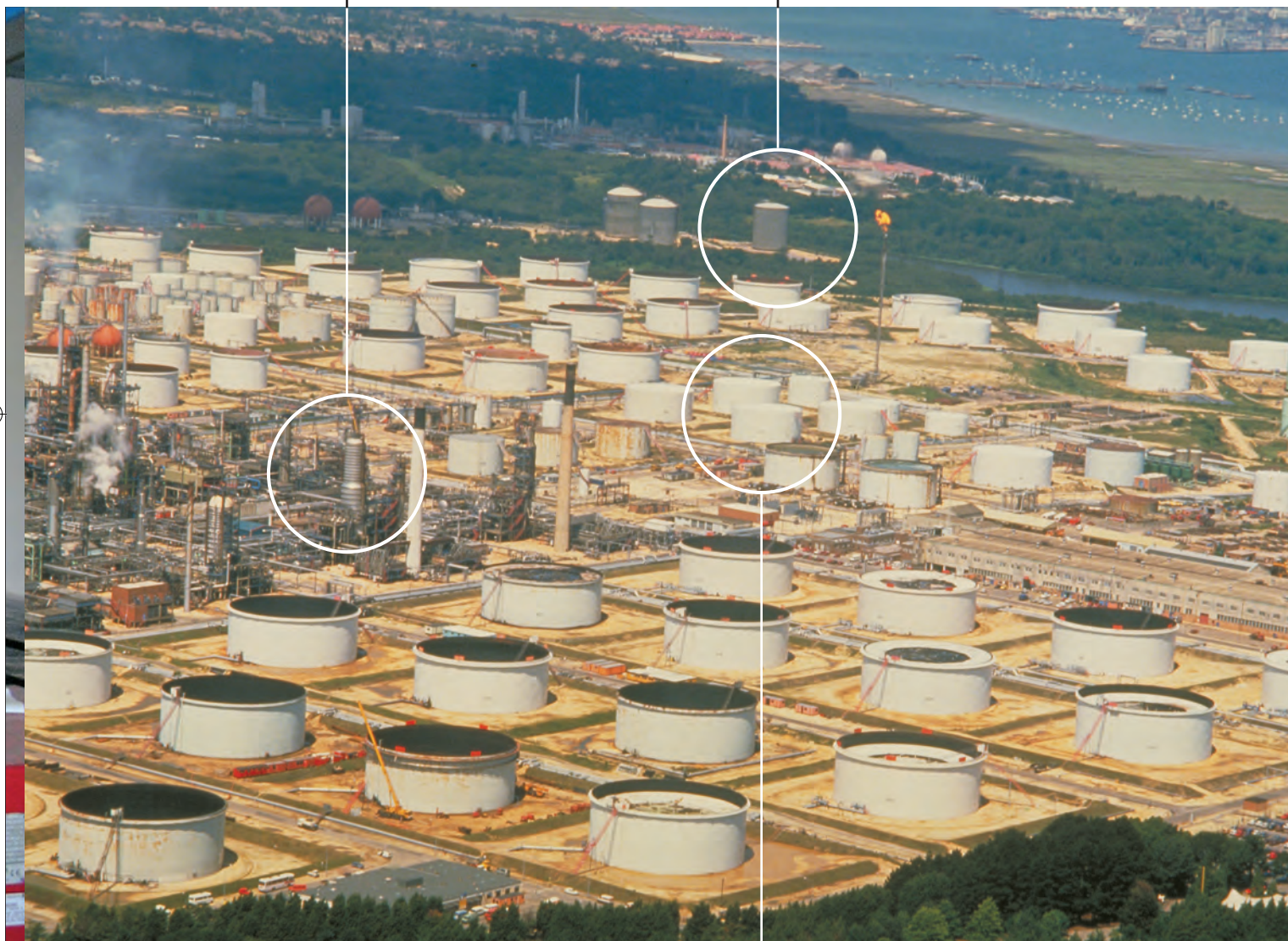
TAIS-EX
page 280



CAM-EX
page 289



TAIS-MIGNON-EX
page 279



TAIS-MIGNON-EX
page 285

RINO-EX
page 301




















RINO-EX
page 299





ATEX SYSTEMS GAS-VAPOUR-MISTS

The products and recommended applications


















2 - 3G ZONE				
Battery charging zones - Hydrogen	Car repair shops - Fuel	Painting departments - Paint and deluent	Heating plants - Natural gas	Large kitchens - Natural gas
TERMOSETTING (GRP)				
 CEE-EX IP66/67	 TAIS-MIGNON-EX IP66/67	 ULYSSE-EX IP66/67 (10A ÷ 50A)	 TAIS-EX IP66/67 (10A ÷ 50A)	 CAM-EX IP66/67 (10A ÷ 150A)
 UNI-EX IP68			 TAIS-EX IP66/67	 TAIS-MIGNON-EX IP66/67
ALUMINIUM ALLOY				
 RINO-EX IP65	 ALUPRES-EX IP66/67 (10A ÷ 80A)	 RONDÒ-EX IP54	 CAM-EX IP66/67 (16A ÷ 200A)	 ALUPRES-EX IP66/67
			 ALARM-EX IP66	 RONDÒ-EX IP65
STAINLESS STEEL				
 RINO-EX IP66 18, 36, 54W				
BRASS				
 UNI-EX IP68				





ATEX SYSTEM DUSTS

The products and recommended applications

21 and 22 - 2D ZONE				
Food refineries (e.g. sugar refineries) - Sugar	Carpentry - Shaving	Ovens - Flour	Grain silos - Grain	Pharmaceutical industry - Lactose
TERMOSETTING (GRP)				
 CEE-EX IP66/67	 TAIS-MIGNON-EX IP66/67	 ULYSSE-EX IP66/67 (10A ÷ 63A)	 TAIS-EX IP66/67 (10A ÷ 63A)	 CAM-EX IP66/67 (16A ÷ 200A)
 UNI-EX IP68			 TAIS-EX IP66/67	 TAIS-MIGNON-EX IP66/67
ALUMINIUM ALLOY				
 RINO-EX IP65	 ALUPRES-EX IP66/67 (16A ÷ 80A)	 RONDÒ-EX IP54	 CAM-EX IP66/67 (16A ÷ 200A)	 ALUPRES-EX IP66/67
			 ALARM-EX IP66	 RONDÒ-EX IP65
STAINLESS STEEL				
 RINO-EX IP66 18, 36, 54W				
BRASS				
 UNI-EX IP68				



Industrial plugs



CEE-EX

267

Plugs IP66 / IP67



PLUGS AND INTERLOCKED
SOCKET-OUTLETS



CEE-EX series

PRODUCT SPECIFICATIONS

Conformity to standards: GAS: EN 60079-15
DUSTS: EN 61241-1

Compliance with directives: ATEX 94/9/CE

2, 21 and 22 ZONE

Certifications: European Certification Consortium / IMQ



For classifications of each item see page 260-261



CEE-Ex SERIES
ATEX low voltage watertight
straight plugs
IP66 / IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16 (2D-3G)	50-60Hz	110V	Yellow	2P+⊕	4	477203EX	1
	50-60Hz	110V	Yellow	3P+⊕	4	477213EX	1
	50-60Hz	110V	Yellow	3P+N+⊕	4	477223EX	1
	50-60Hz	230V	Blue	2P+⊕	6	477303EX	1
	50-60Hz	230V	Blue	3P+⊕	9	477313EX	1
	50-60Hz	230V	Blue	3P+N+⊕	9	477323EX	1
	50-60Hz	400V	Red	2P+⊕	9	477403EX	1
	50-60Hz	400V	Red	3P+⊕	6	477413EX	1
	50-60Hz	400V	Red	3P+N+⊕	6	477423EX	1
	50-60Hz	500V	Black	3P+⊕	7	477513EX	1
	50-60Hz	500V	Black	3P+N+⊕	7	477523EX	1
	50-60Hz	500V	Black	3P+⊕	7	477516EX	1
32 (2D-3G)	50-60Hz	110V	Yellow	3P+⊕	4	477216EX	1
	50-60Hz	110V	Yellow	3P+N+⊕	4	477226EX	1
	50-60Hz	230V	Blue	2P+⊕	6	477306EX	1
	50-60Hz	230V	Blue	3P+⊕	9	477316EX	1
	50-60Hz	400V	Red	3P+⊕	6	477416EX	1
	50-60Hz	400V	Red	3P+N+⊕	6	477426EX	1
	50-60Hz	500V	Black	3P+⊕	7	477516EX	1



CEE-Ex SERIES
ATEX low voltage watertight
straight plugs
IP66 / IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63 (2D-3G)	50-60Hz	230V	Blue	3P+⊕	9	477317EX	1
	50-60Hz	400V	Red	3P+⊕	6	477417EX	1
	50-60Hz	400V	Red	3P+N+⊕	6	477427EX	1
125 (2D-3G)	50-60Hz	500V	Black	3P+⊕	7	477517EX	1
	50-60Hz	230V	Blue	3P+⊕	9	477318EX	1
	50-60Hz	400V	Red	3P+⊕	6	249538EX	1
	50-60Hz	400V	Red	3P+N+⊕	6	259538EX	1
	50-60Hz	500V	Black	3P+⊕	7	249550EX	1

Characteristics:
nickel-plated and rounded pins with easy insertion. Non-slip grip. 32A and 63A monobloc plugs, 32A and 125A plugs with two-screw terminals. Thick body and grip in anti-tracking, antistatic and self-extinguishing resin.
GWT:850°C - UL94:V2. Unlosable gaskets in non-ageing elastomer.

Uses:
suitable for frequent uses where there are risks of impacts, squashing, vibrations, chemical agents, liquids and dust.

COMPATIBILITY OF CEE-EX PLUGS AND INTERLOCKED SOCKET-OUTLETS

CEE-Ex Plugs	ULYSSE-Ex Protection				TAIS-Ex Protection				ALUPRES-Ex Protection Fuses
	Fuses	MCB specifications for dusts	MCB	Direct power supply	Fuses	MCB specifications for dusts	MCB	Direct power supply	
16 (2D-3G)	16A (2D) 10A (3G)	16A (2D)	10A (2D-3G)	16A (2D) 12A (3G)	16A (2D) 10A (3G)	16A (2D)	10A (2D-3G)	16A (2D) 12A (3G)	16A (2D) 10A (3G)
32 (2D-3G)	32A (2D) 16A (3G)	32A (2D)	16A (2D-3G)	32A (2D) 25A (3G)	32A (2D) 16A (3G)	32A (2D)	16A (2D-3G)	32A (2D) 25A (3G)	32A (2D) 16A (3G)
63 (2D-3G)	63A (2D) 32A (3G)	63A (2D)	32A (2D-3G)	63A (2D) 50A (3G)	63A (2D) 32A (3G)	63A (2D)	32A (2D-3G)	63A (2D) 50A (3G)	40A (2D-3G)
125 (2D-3G)									80A (2D-3G)



Interlocked socket-outlets



ULYSSE-EX 269
In thermosetting (GRP) material IP66 / IP67



TAIS-EX 272
In thermosetting (GRP) material IP66 / IP67





ALUPRES-EX 275
In aluminium IP66 / IP67



PLUGS AND INTERLOCKED
SOCKET-OUTLETS



ULYSSE-EX series			
PRODUCT SPECIFICATIONS			
Conformity to standards:	GAS:	EN 60079-15	
	DUSTS:	EN 61241-1	
Compliance with directives: ATEX 94/9/CE			
2, 21 and 22 ZONE			
Certifications:	European Certification Consortium / IMQ		
<div></div>			
For classifications of each item see page 260-261			

On page 304 the devices for individual limited respiration testings to be carried on interlocked socket-outlets are available.



ULYSSE-EX SERIES
ATEX wall-mounted interlocked socket-outlets and fuse-holder base in insulating modular enclosure made of thermosetting (GRP) material with double protection rating IP66 / IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16A (2D)	50-60Hz	110V	Yellow	2P+⊕	4	400124EX	1
	50-60Hz	110V	Yellow	3P+⊕	4	400134EX	1
10A (3G)	50-60Hz	110V	Yellow	3P+N+⊕	4	400144EX	1
	50-60Hz	230V	Blue	2P+⊕	6	400126EX	1
	50-60Hz	230V	Blue	3P+⊕	9	400139EX	1
	50-60Hz	230V	Blue	3P+N+⊕	9	400149EX	1
	50-60Hz	400V	Red	2P+⊕	9	400129EX	1
	50-60Hz	400V	Red	3P+⊕	6	400136EX	1
	50-60Hz	400V	Red	3P+N+⊕	6	400146EX	1
	50-60Hz	500V	Black	3P+⊕	7	400137EX	1
	50-60Hz	500V	Black	3P+N+⊕	7	400147EX	1
	50-60Hz	500V	Black	3P+⊕	7	400147EX	1
32A (2D)	50-60Hz	110V	Yellow	3P+⊕	4	400234EX	1
16A (3G)	50-60Hz	110V	Yellow	3P+N+⊕	4	400244EX	1
	50-60Hz	230V	Blue	2P+⊕	6	400226EX	1
	50-60Hz	230V	Blue	3P+⊕	9	400239EX	1
	50-60Hz	400V	Red	3P+⊕	6	400236EX	1
	50-60Hz	400V	Red	3P+N+⊕	6	400246EX	1
	50-60Hz	500V	Black	3P+⊕	7	400237EX	1



ULYSSE-EX SERIES
ATEX wall-mounted interlocked socket-outlets and fuse-holder base in insulating modular enclosure made of thermosetting (GRP) material with double protection rating IP66 / IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63A (2D)	50-60Hz	230V	Blue	3P+⊕	9	400339EX	1
32A (3G)	50-60Hz	400V	Red	3P+⊕	6	400336EX	1
	50-60Hz	400V	Red	3P+N+⊕	6	400346EX	1
	50-60Hz	500V	Black	3P+⊕	7	400337EX	1

Characteristics: fittings in non-sparking, non-loosening, closed fuse-holders with interlock which blocks replacement when power is on. Only use 10.3x38 fuses for 16A socket-outlets, 14x51 for 32A socket-outlets and 22x58 for 63A socket-outlets (fuses not supplied). Fuses with higher or lower In than socket-outlet In cannot guarantee correct protection and can cause overheating. Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected.

Complementary items: straight plugs on page 267.

INTERLOCKED SOCKET-OUTLETS



ULYSSE-EX SERIES
 Wall-mounting socket-outlets with circuit breaker and ATEX mechanical interlock in insulating modular enclosure made of thermosetting (GRP), for combustible and electrically conductive dusts IP66 / IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16A (2D)	50-60Hz	110V		2P+⊕	4	404124EX	1
	50-60Hz	110V		3P+⊕	4	404134EX	1
	50-60Hz	110V		3P+N+⊕	4	404144EX	1
	50-60Hz	230V		2P+⊕	6	404126EX	1
	50-60Hz	230V		3P+⊕	9	404139EX	1
	50-60Hz	230V		3P+N+⊕	9	404149EX	1
	50-60Hz	400V		2P+⊕	9	404129EX	1
	50-60Hz	400V		3P+⊕	6	404136EX	1
	50-60Hz	400V		3P+N+⊕	6	404146EX	1
32A (2D)	50-60Hz	110V		3P+⊕	4	404234EX	1
	50-60Hz	110V		3P+N+⊕	4	404244EX	1
	50-60Hz	230V		2P+⊕	6	404226EX	1
	50-60Hz	230V		3P+⊕	9	404239EX	1
	50-60Hz	400V		3P+⊕	6	404236EX	1
	50-60Hz	400V		3P+N+⊕	6	404246EX	1
63A (2D)	50-60Hz	230V		3P+⊕	9	404339EX	1
	50-60Hz	400V		3P+⊕	6	404336EX	1
	50-60Hz	400V		3P+N+⊕	6	404346EX	1

Characteristics:
 corrosion resistant non-loosening terminals. Anti-tracking, anti-static and self-extinguishing resin body GWT: 850°C - UL94:V2. Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected.

Uses:
 only use with EEx nA plugs in this catalogue.

Complementary items:
 straight plugs on page 267.



ULYSSE-EX SERIES
 ATEX wall-mounted socket-outlets with MCB and mechanical interlock, in insulating modular enclosure made of thermosetting (GRP) material with double protection rating IP66 / IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
10A (2D-3G)	50-60Hz	110V		2P+⊕	4	403124EX	1
	50-60Hz	110V		3P+⊕	4	403134EX	1
	50-60Hz	110V		3P+N+⊕	4	403144EX	1
	50-60Hz	230V		2P+⊕	6	403126EX	1
	50-60Hz	230V		3P+⊕	9	403139EX	1
	50-60Hz	230V		3P+N+⊕	9	403149EX	1
	50-60Hz	400V		2P+⊕	9	403129EX	1
	50-60Hz	400V		3P+⊕	6	403136EX	1
	50-60Hz	400V		3P+N+⊕	6	403146EX	1
16A (2D-3G)	50-60Hz	110V		3P+⊕	4	403234EX	1
	50-60Hz	110V		3P+N+⊕	4	403244EX	1
	50-60Hz	230V		2P+⊕	6	403226EX	1
	50-60Hz	230V		3P+⊕	9	403239EX	1
	50-60Hz	400V		3P+⊕	6	403236EX	1
	50-60Hz	400V		3P+N+⊕	6	403246EX	1
32A (2D-3G)	50-60Hz	230V		3P+⊕	9	403339EX	1
	50-60Hz	400V		3P+⊕	6	403336EX	1
	50-60Hz	400V		3P+N+⊕	6	403346EX	1



ULYSSE-Ex SERIES
 ATEX wall-mounting interlocked socket-outlets, in insulating modular enclosure made of thermosetting (GRP) material with double protection rating IP66 / IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16A (2D)	50-60Hz	230V		2P+⊕	6	408126EX	1
12A (3G)	50-60Hz	400V		3P+⊕	6	408136EX	1
	50-60Hz	400V		3P+N+⊕	6	408146EX	1
32A (2D)	50-60Hz	230V		2P+⊕	6	408226EX	1
25A (3G)	50-60Hz	400V		3P+⊕	6	408236EX	1
	50-60Hz	400V		3P+N+⊕	6	408246EX	1
63A (2D)	50-60Hz	400V		3P+⊕	6	408336EX	1
50A (3G)	50-60Hz	400V		3P+N+⊕	6	408346EX	1

PLUGS AND INTERLOCKED
SOCKET-OUTLETS



ULYSSE-Ex SERIES
ATEX enclosures with blind cover,
in thermosetting (GRP) material
with double protection rating
IP66 / IP67

External dimensions (mm)	Dispersable wattage (W)	Holes	Palazzoli code	Pack Q.ty
125x175x128	14	Cieca	415001EX	1
250x175x128	20	Cieca	415002EX	1

Equipment:

fitting.

Gaskets for interlocked socket-outlets.

Characteristics:

EEx n enclosures can be used for housing a certain number of non-sparking components (terminals) to prevent higher dissipated power than the value for each enclosure. For this purpose, consider the power dissipated from each type of connection.



ULYSSE SERIES
Support plate in thermosetting
(GRP) material for making
distribution boards

Dimensions (mm)	No. installable devices	Palazzoli code	Pack Q.ty
125x540	1 (16A-32A)	415801	1
250x540	2 (16A-32A) - 1 (63A)	415802	1

Equipment:

built-in threaded metal dowels, supplied with screws and relative stainless steel washers for fastening devices.

Complementary items:

coupling piece code 538791 on page 86.



ULYSSE SERIES
EN50022 rail for fastening modular
devices in the enclosures with a
blind cover

For enclosures dimensions (mm)	No. modules EN50022	Palazzoli code	Pack Q.ty
125x175x128	5	415011	1
250x175x128	12	415012	1

Uses:

for fastening modular devices (e.g. supply/junction terminal blocks).





ULYSSE SERIES
Kit with ATEX fitting for coupling
the enclosures

Fitting diameter	Assembly hole (mm)	Palazzoli code	Pack Q.ty
Pg21	38	415000EX	1

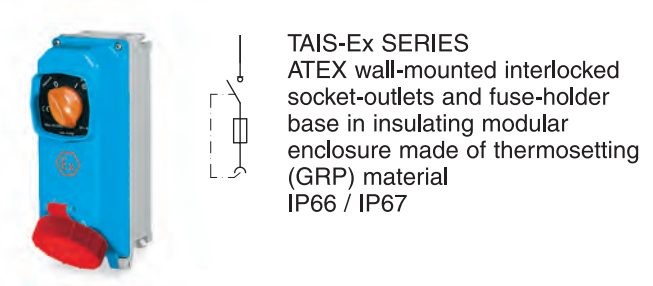
Uses:

the distribution board can be made by side coupling the boxes.

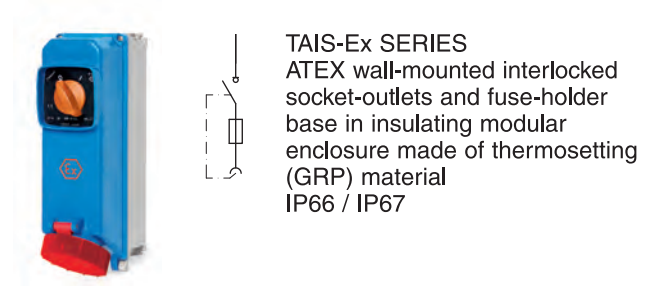


TAIS-EX series		
PRODUCT SPECIFICATIONS		
Conformity to standards:	GAS: EN 60079-15	
	DUSTS: EN 61241-1	
Compliance with directives:	ATEX 94/9/CE	
	2, 21 and 22 ZONE	
Certifications:	European Certification Consortium / IMQ	
	 	
	For classifications of each item see page 260-261	

On page 304 the devices for individual limited respiration testings to be carried on interlocked socket-outlets are available.



Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16A (2D) 10A (3G)	50-60Hz	110V	Yellow	2P+⊕	4	472610EX	1
	50-60Hz	110V	Yellow	3P+⊕	4	472710EX	1
	50-60Hz	110V	Yellow	3P+N+⊕	4	472810EX	1
	50-60Hz	230V	Blue	2P+⊕	6	472620EX	1
	50-60Hz	230V	Blue	3P+⊕	9	472720EX	1
	50-60Hz	230V	Blue	3P+N+⊕	9	472820EX	1
	50-60Hz	400V	Red	2P+⊕	9	472630EX	1
	50-60Hz	400V	Red	3P+⊕	6	472730EX	1
	50-60Hz	400V	Red	3P+N+⊕	6	472830EX	1
	50-60Hz	500V	Black	3P+⊕	7	472750EX	1
32A (2D) 16A (3G)	50-60Hz	110V	Yellow	3P+⊕	4	472711EX	1
	50-60Hz	110V	Yellow	3P+N+⊕	4	472811EX	1
	50-60Hz	230V	Blue	2P+⊕	6	472621EX	1
	50-60Hz	230V	Blue	3P+⊕	9	472721EX	1
	50-60Hz	400V	Red	3P+⊕	6	472731EX	1
	50-60Hz	400V	Red	3P+N+⊕	6	472831EX	1
	50-60Hz	500V	Black	3P+⊕	7	472751EX	1



Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63A (2D) 32A (3G)	50-60Hz	230V	Blue	3P+⊕	9	472722EX	1
	50-60Hz	400V	Red	3P+⊕	6	472732EX	1
	50-60Hz	400V	Red	3P+N+⊕	6	472832EX	1
	50-60Hz	500V	Black	3P+⊕	7	472752EX	1

Characteristics: fittings in non-sparking, non-loosening, closed fuse-holders with interlock which blocks replacement when power is on. Only use NDZ (E16) fuses for 16A socket-outlets, DIII (E33) for 32A and 63A socket-outlets (fuses not supplied). Fuses with higher or lower In than socket-outlet In cannot guarantee correct protection and can cause overheating. Captive gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected.

Uses: its highly compact form makes it ideal for installing in small spaces (e.g. on pillars, on machines...).

Complementary items: straight plugs on page 267.



PLUGS AND INTERLOCKED
SOCKET-OUTLETS



TAIS-Ex SERIES
Wall-mounting socket-outlets with circuit breaker, mechanical interlock in insulating modular enclosure made of thermosetting (GRP) material, ATEX signal lamp, for combustible and electrically conductive dusts IP66 / IP67

Rated current (A)	Frequency	Rated use voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16A (2D)	50-60Hz	110V	Yellow	2P+⊕	4	464210EX	1
	50-60Hz	110V	Yellow	3P+⊕	4	464310EX +	1
	50-60Hz	110V	Yellow	3P+N+⊕	4	464410EX +	1
	50-60Hz	230V	Blue	2P+⊕	6	464220EX	1
	50-60Hz	230V	Blue	3P+⊕	9	464320EX	1
	50-60Hz	230V	Blue	3P+N+⊕	9	464420EX +	1
	50-60Hz	400V	Red	2P+⊕	9	464230EX +	1
	50-60Hz	400V	Red	3P+⊕	6	464330EX	1
	50-60Hz	400V	Red	3P+N+⊕	6	464430EX	1
32A (2D)	50-60Hz	110V	Yellow	3P+⊕	4	464711EX +	1
	50-60Hz	110V	Yellow	3P+N+⊕	4	464811EX +	1
	50-60Hz	230V	Blue	2P+⊕	6	464621EX	1
	50-60Hz	230V	Blue	3P+⊕	9	464721EX	1
	50-60Hz	400V	Red	3P+⊕	6	464731EX	1
	50-60Hz	400V	Red	3P+N+⊕	6	464831EX	1
63A (2D)	50-60Hz	230V	Blue	3P+⊕	9	464722EX	1
	50-60Hz	400V	Red	3P+⊕	6	464732EX	1
	50-60Hz	400V	Red	3P+N+⊕	6	464832EX	1

♦ Supplied on request.

Characteristics:

corrosion resistant non-loosening terminals. Anti-tracking, anti-static and self-extinguishing resin body GWT: 850°C - UL94: V2. Captive gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected.

Uses:

its highly compact form makes it ideal for installing in small spaces (e.g. on pillars, on machines...).

Complementary items:

straight plugs on page 267.



TAIS-Ex SERIES
ATEX wall-mounting socket-outlets with circuit breaker, mechanical interlock, signal lamp, in insulating modular enclosure made of thermosetting (GRP) material IP66 / IP67

Rated current (A)	Frequency	Rated use voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
10A (2D-3G)	50-60Hz	110V	Yellow	2P+⊕	4	474210EX	1
	50-60Hz	110V	Yellow	3P+⊕	4	474310EX +	1
	50-60Hz	110V	Yellow	3P+N+⊕	4	474410EX +	1
	50-60Hz	230V	Blue	2P+⊕	6	474220EX	1
	50-60Hz	230V	Blue	3P+⊕	9	474320EX	1
	50-60Hz	230V	Blue	3P+N+⊕	9	474420EX +	1
	50-60Hz	400V	Red	2P+⊕	9	474230EX +	1
	50-60Hz	400V	Red	3P+⊕	6	474330EX	1
	50-60Hz	400V	Red	3P+N+⊕	6	474430EX	1
16A (2D-3G)	50-60Hz	110V	Yellow	3P+⊕	4	474711EX +	1
	50-60Hz	110V	Yellow	3P+N+⊕	4	474811EX +	1
	50-60Hz	230V	Blue	2P+⊕	6	474621EX	1
	50-60Hz	230V	Blue	3P+⊕	9	474721EX	1
	50-60Hz	400V	Red	3P+⊕	6	474731EX	1
	50-60Hz	400V	Red	3P+N+⊕	6	474831EX	1
32A (2D-3G)	50-60Hz	230V	Blue	3P+⊕	9	474722EX	1
	50-60Hz	400V	Red	3P+⊕	6	474732EX	1
	50-60Hz	400V	Red	3P+N+⊕	6	474832EX	1

♦ Supplied on request.



TAIS-Ex SERIES
ATEX wall-mounting interlocked socket-outlets in thermosetting (GRP) insulating modular enclosure IP66 / IP67

Rated current (A)	Frequency	Rated use voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16A (2D)	50-60Hz	230V	Blue	2P+⊕	6	470126EX +	1
12A (3G)	50-60Hz	400V	Red	3P+⊕	6	470136EX +	1
	50-60Hz	400V	Red	3P+N+⊕	6	470146EX +	1
32A (2D)	50-60Hz	230V	Blue	2P+⊕	6	470226EX +	1
25A (3G)	50-60Hz	400V	Red	3P+⊕	6	470236EX +	1
	50-60Hz	400V	Red	3P+N+⊕	6	470246EX +	1
63A (2D)	50-60Hz	400V	Red	3P+⊕	6	470336EX +	1
50A (3G)	50-60Hz	400V	Red	3P+N+⊕	6	470346EX +	1

♦ Supplied on request.

Product specifications
page 272

Dimensions
page 405



INTERLOCKED SOCKET-OUTLETS



TAIS-Ex SERIES
ATEX watertight enclosures
with raised cover in
thermosetting (GRP) material
IP66 / IP67

External dimensions (mm)	Dispersable wattage (W)	Holes fori	Palazzoli code	Pack Q.ty
125x125x125	15		532026EX	1
185x125x125	12		532667EX	1
250x125x125	18		532619EX	1
250x125x125	18		532620EX	1
250x125x125	18		532618EX	1
250x125x125	18		532628EX	1
125x125x125	15		532016EX	1

Characteristics:
EEx n enclosures can be used for housing a certain number of non-sparking components (terminals) to prevent higher dissipated power than the value for each enclosure. For this purpose, consider the power dissipated from each type of connection.

Complementary items:
socket-outlets on page 272÷273,
cable glands on page 285,
fittings on page 285
caps on page 285
polygonal nuts on page 285.



TAIS SERIES
Mounting plates in anti-corrosion
tropicalized steel plate, for
watertight enclosures.

For enclosures dimensions	For enclosures code	Palazzoli code	Pack Q.ty
125x125	532016, 532116, 532346, 538018, 538118, 532016EX, 532116EX	532716	1
185x125	532017, 532117, 532667, 532677, 538017, 538117, 532017EX, 532117EX, 532667EX	532717	1
250x125	532018, 532118, 532618, 532628, 532638, 532648, 538016, 538116, 532018EX, 532118EX, 532628EX	532718	1



TAIS SERIES
Plates for mounting interlocked
socket-outlets, in thermosetting
(GRP) material

No. installable devices	Module installable devices	Dimensions (mm)	Palazzoli code	Pack Q.ty
1	92	92x430	538701	1
2	2x92	185x430	538702	1
2	2x92	185x501	538703	1
1	92/125	125x630	538711	1
2	125+125/125+92/92+125	250x630	538712	1

Characteristics: they do not need an earth connection.
Uses: for fastening TAIS distribution boards to the wall.



TAIS SERIES
Coupling piece for plates in
insulating thermosetting (GRP)
material

For plates Palazzoli	Palazzoli code	Pack Q.ty
538701, 538702, 538703, 538711, 538712	538791	50

Uses: these snap-on devices are fixed into their housings on the base plates for interlocked socket-outlets.



PLUGS AND INTERLOCKED
SOCKET-OUTLETS



ALUPRES-EX series		
PRODUCT SPECIFICATIONS		
Conformity to standards:	GAS:	EN 60079-15
	DUSTS:	EN 61241-1
Compliance with directives: ATEX 94/9/CE		
ZONE 2, 21 and 22		
Certifications:	European Certification Consortium / IMQ	
<div></div>		
For classifications of each item see page 260-261		

On page 304 the devices for testing individual tests on interlocked socket-outlets are available.



ALUPRES-Ex SERIES
ATEX wall-mounted interlocked
socket-outlets with fuse-holder
base, in modular enclosure
in aluminium alloy
IP66 / IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16A (2D)	50-60Hz	110V	Yellow	2P+⊕	4	472233EX	10
10A (3G)	50-60Hz	110V	Yellow	3P+⊕	4	472243EX	1
entry	50-60Hz	110V	Yellow	3P+N+⊕	4	472253EX	1
M25	50-60Hz	230V	Blue	2P+⊕	6	472333EX	1
	50-60Hz	230V	Blue	3P+⊕	9	472343EX	1
	50-60Hz	230V	Blue	3P+N+⊕	9	472353EX	1
	50-60Hz	400V	Red	2P+⊕	9	472433EX	1
	50-60Hz	400V	Red	3P+⊕	6	472443EX	1
	50-60Hz	400V	Red	3P+N+⊕	6	472453EX	1
	50-60Hz	500V	Black	3P+⊕	7	472543EX	1
	50-60Hz	500V	Black	3P+N+⊕	7	472553EX	1
32A (2D)	50-60Hz	110V	Yellow	3P+⊕	4	472246EX	1
16A (3G)	50-60Hz	110V	Yellow	3P+N+⊕	4	472256EX ♦	1
entry	50-60Hz	230V	Blue	2P+⊕	6	472336EX	1
M32	50-60Hz	230V	Blue	3P+⊕	9	472346EX	1
	50-60Hz	400V	Red	3P+⊕	6	472446EX	1
	50-60Hz	400V	Red	3P+N+⊕	6	472456EX	1
	50-60Hz	500V	Black	3P+⊕	7	472546EX	1
40A	50-60Hz	230V	Blue	3P+⊕	9	472347EX	1
(2D-3G)	50-60Hz	400V	Red	3P+⊕	6	472447EX	1
entry	50-60Hz	400V	Red	3P+N+⊕	6	472457EX	1
M32	50-60Hz	500V	Black	3P+⊕	7	472547EX	1
80A	50-60Hz	230V	Blue	3P+⊕	9	472348EX	1
(2D-3G)	50-60Hz	400V	Red	3P+⊕	6	472418EX	1
entry	50-60Hz	400V	Red	3P+N+⊕	6	472428EX	1
M40	50-60Hz	500V	Black	3P+⊕	7	472518EX	1

♦ Supplied on request.

Characteristics:

NDZ (E16) fuses for 16A socket-outlets, DIII (E33) for 32A and 63A, ACR GR000 for 80A socket-outlets (fuses not supplied).

Fittings in non-sparking, captive, closed fuse-holders with interlock which blocks replacement when power is on.

Upper passage: F0 window for 16A socket-outlets; F1 window for 32A and 63A socket-outlets; F3 window for 80A socket-outlets 40A and 80A socket-outlets with IP65 protection rating IP65.

Uses:

its highly compact form makes it ideal for installing in small spaces (e.g. on pillars, on machines...).

Complementary items:

straight plugs on page 267.



INTERLOCKED SOCKET-OUTLETS



ALUPRES-Ex SERIES
Enclosures with ATEX windowed walls, in aluminium alloy, with mounting plates in tropicalized steel plate
IP66 / IP67

External dimensions (mm)	Dispersable wattage (W)	Windows	Palazzoli code	Pack Q.ty
125x125x113	10		511914EX	1
125x125x113	10		511915EX	1
185x125x113	12		511916EX	1
252x125x113	20		511918EX	1
252x125x113	20		511919EX	1
252x125x113	20		511932EX	1

Equipment:
windows complete with gaskets and screws.
N2 F1 blind flanges code 540091.
Internal and external earth screws.

Characteristics:
EEx n enclosures can be used for housing a certain number of non-sparking components (terminals) to prevent higher dissipated power than the value for each enclosure.
For this purpose, consider the power dissipated from each type of connection.

Complementary items:
blind flanges on page 277,
flanges with cable glands on page 276,
threaded flanges with metric pitch on page 162,
cable glands on page 288.



ALUPRES SERIES
Flat closing aluminium alloy flanges with cable gland, for containers with window walls
IP67

Windows	Ring-nut diameter (mm)	Gasket diameter (mm)	Threading	Palazzoli code	Pack Q.ty
F0 (insulating mat.)	16	9÷12	1/2"	541010	1
F0 (insulating mat.)	20	14÷16	3/4"	541020	1
F0	16	9÷12	1/2"	541080	10
F0	20	12÷16	3/4"	541090	1
F0	25,5	17÷20	1"	541030	20
F1	16	9÷12	1/2"	541011	1
F1	20	14÷16	3/4"	541021	1
F0	16	9÷12	1/2"	541040	1

Characteristics:
suitable for the entry with threaded pipes. Art.541040 with 2 separate access entries.



ALUPRES SERIES
Raised closing aluminium alloy flanges with cable gland, for containers with window walls
IP67

Windows	Ring-nut diameter (mm)	Gasket diameter (mm)	Threading	Palazzoli code	Pack Q.ty
F1	25,5	16÷22	1"	540151	1
F1	36	25÷26	1" 1/4	540141	1
F2	25,5	16÷22	1"	540152	1
F2	36	25÷26	1" 1/4	540142	1
F3	41,5	34÷35	1" 1/2	540153	1
F4	41,5	25÷35	1" 1/2	540154	1
F5	50	33÷44	2"	540145	1
F6	70	63÷64	2" 3/4	540156	1

Uses:
suitable for entry with threaded conduits. Make wiring easier as they increase the internal volume of the enclosure. To close open inlets.



PLUGS AND INTERLOCKED
SOCKET-OUTLETS



ALUPRES SERIES
Flat steel closing flanges for
containers with walls with windows
IP67

Windows	Projection (mm)	Palazzoli code	Pack Q.ty
F0 (insulating mat.)	5	540030	1
F1 (insulating mat.)	6	540031	5
F0	2,5	540090	5
F1	5,5	540091	5
F2	5,5	540032	1
F3	6	540033	2
F4	6	540034	2
F5	7	540035	2
F6	8	540036	1

Uses:
they close unused windows. Holes can be made for applying cable glands.



ALUPRES SERIES
Raised closing flanges
in aluminium alloy for enclosures
with windowed walls
IP67

Windows	Projection (mm)	Palazzoli code	Pack Q.ty
F1	32	540061	12
F2	32	540062	4
F3	50	540063	1
F4	50	540064	1
F5	80	540065	1
F6	80	540066	1

Uses:
they close unused windows. Make wiring easier as they increase the internal volume of the enclosure.



ALUPRES SERIES
Plates in zinc-galvanised steel and
painted for mounting socket-outlets
in aluminium alloy enclosure

No. installable devices	Module installable devices	Dimensions (mm)	Palazzoli code	Pack Q.ty
2	2x92	185x389	532806	1
3	3x92	276x389	532816	1
2	2x92	185x421	532826	1
2	2x125 / 125+92	250x558	532836	1
3	3x125	375x558	532846	1
3	125+2x92	310x558	532856	1
4	2x125+2x92 / 125+3x92	435x558	532866	1

Equipment:
designed with threaded holes and inclusive of stainless steel screws for fastening fixtures.
Complementary items:
interlocked socket-outlets from page 275,
enclosures on page 276.



ALUPRES SERIES
Pair of small plates with screws
for coupling steel plates

For plates code	Palazzoli code	Pack Q.ty
532806, 532816, 532826, 532836, 532846, 532856, 532866	532895	1

Uses:
these increase the combinations of possible distribution board arrangements.

Watertight junction boxes



TAIS-MIGNON-EX 279
In thermosetting (GRP) material IP66/IP67



RONDÒ-EX 281
In aluminium IP54 - IP66/IP67



TAIS-EX 280
In thermosetting (GRP) material IP66 / IP67



ALUPRES-EX 281
In aluminium IP66 / IP67



TAIS-EX / TAIS-MIGNON-EX series

PRODUCT SPECIFICATIONS

Conformity to standards: GAS: EN 60079-15
DUSTS: EN 61241-1

Compliance with directives: ATEX 94/9/CE

ZONE 2, 21 and 22

Certifications: European Certification Consortium / IMQ



For classifications of each item see page 260-261



TAIS-MIGNON-EX SERIES
ATEX watertight wall-mounting
modular junction boxes in
thermosetting (GRP) material
IP66 / IP67

External dimensions (mm)	Dispersable wattage (W)	Holes	Entries	Palazzoli code	Pack Q.ty
62x80x38	8		1/2" gas (ø16/12mm)	101021EX	1
62x80x38	8		1/2" gas (ø16/12mm)	101031EX	1
62x80x38	8		1/2" gas (ø16/12mm)	101041EX	1
62x80x38	8		1/2" gas (ø16/12mm)	101061EX	1
77x102x48	10		1/2" gas (ø16/12mm)	101151EX	1
77x102x48	10		3/4" gas (ø20/16mm)	101161EX	1

Equipment:

cable glands with gaskets come in the same quantity as the no. of entries.

Characteristics:

stainless steel screws for fastening covers. The modular dimensions allow battery combinations with watertight wall-mounting modular boxes. EEx n enclosures can be used for housing a certain number of non-sparking components (terminals) to prevent higher dissipated power than the value for each enclosure. For this purpose, the power dissipated by each type of connection must be considered, assuming the maximum power that can be dissipated is $P=0.0048I$ where I is the current used by the connection.



TAIS-MIGNON-EX SERIES
ATEX watertight wall-mounting
modular coupling box in
thermosetting (GRP) material
IP66 / IP67

External dimensions (mm)	Dispersable wattage (W)	Holes	Entries	Palazzoli code	Pack Q.ty
125x77x55	12		3/4" gas (ø20/16mm)	101081EX	1

Equipment:

cable glands with gaskets come in the same quantity as the no. of entries.



TAIS-MIGNON-EX SERIES
ATEX watertight wall-mounting
modular junction box, with mantle
terminals in thermosetting (GRP)
material
IP66 / IP67

External dimensions (mm)	Pole/section terminals sezione	Dispersable wattage (W)	Holes	Entries	Palazzoli code	Pack Q.ty
62x80x38	4x6mm ²	8		1/2" gas (ø16/12mm)	101025EX	1
62x80x38	4x6mm ²	8		1/2" gas (ø16/12mm)	101035EX	1
62x80x38	4x6mm ²	8		1/2" gas (ø16/12mm)	101045EX	1
77x102x48	5x6mm ²	10		1/2" gas (ø16/12mm)	101156EX	1
77x102x48	5x6mm ²	10		3/4" gas (ø20/16mm)	101157EX	1

Equipment:

inclusive of 6 mm² non-loosening mantle terminals. Cable glands with gaskets come in the same quantity as the no. of entries.

Characteristics:

stainless steel screws for fastening covers. EEx n enclosures can be used for housing a certain number of non-sparking components (terminals) to prevent higher dissipated power than the value for each enclosure. For this purpose, consider the power dissipated from each type of connection.

Complementary items:

ring-nuts for gas pitch cable glands on page 287.

WATERTIGHT JUNCTION BOXES



TAIS-Ex SERIES
Watertight wall-mounting blind enclosures with ATEX low cover, in thermosetting (GRP) material IP66 / IP67

External dimensions (mm)	Dispersable wattage (W)	Palazzoli code	Pack Q.ty
92x92x68	10	532035EX	1
125x92x68	12	532045EX	1
185x92x68	14	532055EX	1
125x125x100	13	532116EX	1
185x125x100	15	532117EX	1
250x125x100	20	532118EX	1

Characteristics:
covers with captive stainless steel screws. EEx n enclosures can be used for housing a certain number of non-sparking components (terminals) to prevent higher dissipated power than the value for each enclosure.
For this purpose, consider the power dissipated from each type of connection.



TAIS-Ex SERIES
Watertight wall-mounting blind enclosures with ATEX high cover, in thermosetting (GRP) material IP66 / IP67

External dimensions (mm)	Dispersable wattage (W)	Palazzoli code	Pack Q.ty
92x92x100	12	532005EX	1
125x92x100	14	532006EX	1
185x92x100	16	532015EX	1
125x125x125	15	532016EX	1
185x125x125	17	532017EX	1
250x125x125	22	532018EX	1

Characteristics:
covers with captive stainless steel screws. EEx n enclosures can be used for housing a certain number of non-sparking components (terminals) to prevent higher dissipated power than the value for each enclosure.
For this purpose, consider the power dissipated from each type of connection.



TAIS SERIES
Mounting plates in anti-corrosion tropicalized steel plate, for watertight enclosures

For enclosures dimensions	For enclosures code	Palazzoli code	Pack Q.ty
92x92	532005, 532035, 532225, 538005, 538035, 532005EX, 532035EX	532705	1
125x92	532006, 532045, 532285, 532295, 538006, 538045, 532006EX, 532045EX	532714	1
185x92	532015, 532055, 532325, 532385, 538015, 538055, 532015EX, 532055EX	532715	1
125x125	532016, 532116, 532346, 538016, 538116, 532016EX, 532116EX	532716	1
185x125	532017, 532117, 532667, 532677, 538017, 538117, 532017EX, 532117EX, 532667EX	532717	1
250x125	532018, 532118, 532618, 532628, 532638, 532648, 538018, 538118, 532018EX, 532118EX, 532628EX	532718	1



TAIS-Ex SERIES
ATEX watertight blind enclosures in thermosetting (GRP) material with mounting plate in tropicalized steel plate IP66 / IP67

External dimensions (mm)	Dispersable wattage (W)	Palazzoli code	Pack Q.ty
185x185x140	20	531911EX	1
250x185x190	24	531931EX	1
250x250x190	28	531940EX	1
250x370x190	35	531942EX	1
370x500x190	60	531962EX	1

Characteristics:
EEx n enclosures can be used for housing a certain number of non-sparking components (terminals) to prevent higher dissipated power than the value for each enclosure. For this purpose, consider the power dissipated from each type of connection. **Enclosures with dimensions 250x250 and larger: IP65.**



RONDÒ-Ex / ALUPRES-EX series

PRODUCT SPECIFICATIONS

Conformity to standards: GAS: EN 60079-15
DUSTS: EN 61241-1

Compliance with directives: ATEX 94/9/CE

ZONE 2, 21 and 22

Certifications: European Certification Consortium / IMQ



For classifications of each item see page 260-261



RONDÒ-Ex SERIES
ATEX-Ex wall-mounted junction
boxes in aluminium alloy IP54

Internal diameter (mm)	Dispersable wattage (W)	Cable glands	Palazzoli code	Pack Q.ty
Ø 62	3	2x1/2"	112020EX	1
Ø 62	3	3x1/2"	112030EX	1
Ø 62	3	4x1/2"	112040EX	1
Ø 82	4	2x3/4"	113020EX	1
Ø 82	4	3x3/4"	113030EX	1
Ø 82	4	4x3/4"	113040EX	1

Equipment:

earth screws inside and outside the box.

Characteristics:

EEx n enclosures can be used for housing a certain number of non-sparking components (terminals) to prevent higher dissipated power than the value for each enclosure. For this purpose, consider the power dissipated from each type of connection.



ALUPRES-Ex SERIES
ATEX wall-mounting junction
boxes in aluminium alloy

External dimensions (mm)	Windows	Dispersable wattage (W)	Protection rating	Palazzoli code	Pack Q.ty
92x92x77	blind	10	IP67	101081EX	1
125x92x77	blind	12	IP67	511911EX	1
185x92x77	blind	14	IP67	511912EX	1
125x125x113	blind	13	IP67	511913EX	1
155x155x73	blind flanges	15	IP66 / IP67	150021EX	1
252x125x113	blind flanges	20	IP55	511917EX	1
185x185x145	blind flanges	18	IP55	511920EX	1
252x185x145	blind flanges	22	IP55	511921EX	1
220x220x108	blind flanges	20	IP55	511922EX	1
252x252x197	blind flanges	25	IP55	511923EX	1
315x252x193	blind flanges	30	IP55	511924EX	1
507x252x193	blind flanges	50	IP55	511925EX	1
295x295x123	blind flanges	40	IP55	511926EX	1
315x315x193	blind flanges	45	IP55	511927EX	1
373x373x220	blind flanges	48	IP55	511928EX	1
507x373x305	blind flanges	60	IP55	511929EX	1
630x373x267	blind flanges	80	IP55	511930EX	1
630x507x193	blind flanges	90	IP55	511931EX	1

Equipment:

earth screws inside and outside the box.

Characteristics:

EEx n enclosures can be used for housing a certain number of non-sparking components (terminals) to prevent higher dissipated power than the value for each enclosure. For this purpose, consider the power dissipated from each type of connection. Cable glands already included.

TERMINAL BLOCKS


CONTACT-EX series
PRODUCT SPECIFICATIONS

Conformity to standards: GAS: EN 60079-15

Compliance with directives: ATEX 94/9/CE

ZONE 2, 21 and 22

Certifications: European Certification Consortium / IMQ



For classifications of each item see page 260-261



CONTACT-EX SERIES
Junction terminal blocks for
watertight enclosures

Rated current	For enclosures with dimensions (mm)	No. poles for section	Enclosure material	Palazzoli code	Pack Q.ty
400V	92x92	4x6 mm²	Ceramic	532725EX	1
400V	92x92	4x6 mm²	Thermoplastic	532735EX	1
400V	92x125, 92x185, 125x125, 125x185	4x6 mm²	Ceramic	532745EX	1
500V	92x185, 125x125, 125x185	4x16 mm²	Ceramic	532747EX	1
500V	125x250	4x16 mm²	Ceramic	532748EX	1
500V	92x92	6x4 mm²	Thermosett.	532755EX	1
400V	92x125, 92x185, 125x125, 125x185	6x6 mm²	Ceramic	532765EX	1
500V	125x250	6x16 mm²	Ceramic	532768EX	1

Characteristics:
corrosion resistant non-sparking and non-loosening terminals for EEx nA connections and junctions if housed in boxes shown in this catalogue. Anti-tracking insulating enclosure.
For codes 532747EX, 532748EX and 532768EX the section of 16 mm² is valid when using rigid cables, otherwise it is 10 mm².



CONTACT-EX SERIES
ATEX junction terminal blocks
for watertight boxes - 380V

Poles/section	Palazzoli code	Pack Q.ty
4x6 mm²	101096EX	1

Characteristics:
they are fitted in the TAIS-MIGNON boxes with dim. 77x102 and dim. 55x125 without using screws. Max. dispersed power 750mW.



CONTACT-EX SERIES
ATEX junction terminal blocks with
mantle terminals for 500V junction
boxes

Poles/section	Palazzoli code	Pack Q.ty
4x6 mm²	112094EX	1
4x10 mm²	113094EX	1

Characteristics:
for RONDÒ series aluminium junction boxes:
code 113094EX for Ø 62 mm boxes
code 113094EX for Ø 82 mm boxes.

Product specifications
page 282

Dimensions
page 413



CONTACT-EX SERIES
ATEX junction terminal block
with flat terminals
for watertight enclosures

Poles/section	Rated use voltage	For enclosures dimensions	Palazzoli code	Pack Q.ty
3x16 mm ²	500	92x92	159030EX	1
3x25 mm ²	500	125x125	159032EX	1
3x40 mm ²	500	155x155	159033EX	1
3x70 mm ²	500	185x185	159034EX	1
3x125 mm ²	500	220x220	159035EX	1
3x200 mm ²	500	295x295	159036EX	1
3x315 mm ²	500	373x373	159037EX	1
4x16 mm ²	500	125x125	159040EX	1
4x25 mm ²	500	155x155	159042EX	1
4x40 mm ²	500	185x185	159043EX	1
4x70 mm ²	500	220x220	159044EX	1
4x125 mm ²	500	295x295	159045EX	1
4x200 mm ²	500	373x373	159046EX	1

Characteristics:
corrosion resistant non-sparking and non-loosening terminals for EEx nA connections and junctions if housed in boxes shown in this catalogue.
Anti-tracking insulating enclosure.

Complementary items:
TAIS enclosures on page 280.
ALUPRES enclosures on page 281.



Universal fittings and accessories



UNI-EX 285
With Pg pitch in insulating material



UNI-EX 286
With metric pitch Metric in insulating material



UNI-EX 285
Adaptors and fittings in insulating material



UNI-EX 288
With brass metric pitch



UNI-EX 288
Brass adaptors





UNI-EX series		
PRODUCT SPECIFICATIONS		
Conformity to standards:	GAS:	EN 60079-15
	DUSTS:	EN 61241-1
Compliance with directives: ATEX 94/9/CE		
ZONE 2, 21 and 22		
For classifications of each item see page 260-261		



UNI-Ex SERIES
ATEX insulated cable glands
with Pg threading IP68

Pg	Assembly hole (mm)	Fastening diameter (mm)	Thread lenght (mm)	Palazzoli code	Pack Q.ty
7	13	4-6,5	8	571007EX	100
9	16	6,5-8	8	571009EX	100
11	19	8-10	8	571011EX	100
13,5	21	9-12	9	571013EX	100
16	23	10-14	10	571016EX	50
21	29	14-18	12	571021EX	50
29	38	18-22	12	571029EX	25
36	48	22-32	14	571036EX	10
42	55	28-38	14	571042EX	5
48	61	38-45	15	571048EX	5



UNI-Ex SERIES
Insulated cable glands with Pg
threading, with ATEX long thread
IP68

Pg	Assembly hole (mm)	Fastening diameter (mm)	Thread lenght (mm)	Palazzoli code	Pack Q.ty
7	13	4-6,5	15	571107EX	100
9	16	6,5-8	15	571109EX	100
11	19	8-10	15	571111EX	100
13,5	21	9-12	15	571113EX	100
16	23	10-14	15	571116EX	50
21	29	14-18	15	571121EX	50
29	38	18-22	15	571129EX	25
36	48	22-32	18	571136EX	10
42	55	28-38	18	571142EX	5
48	61	38-45	18	571148EX	5



UNI-Ex SERIES
ATEX fittings with Pg type thread
for watertight enclosures
IP66 / IP67

Pg	Assembly hole (mm)	For cables max	Palazzoli code	Pack Q.ty
21	29	17	580242EX	1
29	38	24	580243EX	1
36	48	37	580244EX	1
29/36	38 -> 48	24	580203EX	1

Characteristics:
they can couple enclosures to socket-outlets and enclosures to enclosures.

Equipment:
inclusive of threaded shade ring, nut and gasket.



UNI-Ex SERIES
ATEX screwcaps
with Pg pitch thread
IP66 / IP67

Pg	Palazzoli code	Pack Q.ty
21	580232EX	1
29	580233EX	1
36	580234EX	1

Equipment:
inclusive of gasket.



UNI SERIES
Polygonal nuts with
Pg pitch thread

Pg	Palazzoli code	Pack Q.ty
7	571207	100
9	571209	100
11	571211	100
13,5	571213	100
16	571216	100
21	571221	50
29	571229	50
36	571236	30
42	571242	25
48	571248	20

Uses:
they are used for fastening Pg accessories onto walls with through holes.



UNIVERSAL FITTINGS AND ACCESSORIES



UNI-Ex SERIES
Insulated cable glands with ATEX metric pitch threading IP68

Thread	Assembly hole (mm)	Fastening diameter (mm)	Thread lenght (mm)	Palazzoli code	Pack Q.ty
M12x1,5	12,5	4-6,5	8	101081EX	100
M16x1,5	16,5	6,5-10	8	581016EX	100
M20x1,5	20,5	10-13	9	581020EX	100
M25x1,5	25,5	11-17	10	581025EX	50
M32x1,5	32,5	16-21	10	581032EX	25
M40x1,5	40,5	21-27	10	581040EX	15
M50x1,5	50,5	27-35	12	581050EX	10
M63x1,5	63,5	35-40	12	581063EX	5

Characteristics:
Sealed threading suitable for creating restricted breathing.



UNI-Ex SERIES
Insulated cable glands with metric pitch thread, with ATEX long thread IP68

Thread	Assembly hole (mm)	Fastening diameter (mm)	Thread lenght (mm)	Palazzoli code	Pack Q.ty
M12x1,5	12,5	4-6,5	15	581112EX	100
M16x1,5	16,5	6,5-10	15	581116EX	100
M20x1,5	20,5	10-13	15	581120EX	50
M25x1,5	25,5	11-17	15	581125EX	50
M32x1,5	32,5	16-21	15	581132EX	25
M40x1,5	40,5	21-27	18	581140EX	15
M50x1,5	50,5	27-35	18	581150EX	10
M63x1,5	63,5	35-40	18	581163EX	5

Characteristics:
Sealed threading suitable for creating restricted breathing.

Uses:
for cable/conduit entry into boxes with very thick walls.



UNI SERIES
Polygonal nuts with metric pitch thread, for cable glands IP68

Thread	Palazzoli code	Pack Q.ty
M12x1,5	581212	100
M16x1,5	581216	100
M20x1,5	581220	100
M25x1,5	581225	100
M32x1,5	581232	50
M40x1,5	581240	30
M50x1,5	581250	30
M63x1,5	581263	15

Uses:
they are used to fasten cable glands with metric pitch to walls with through holes.





UNI-Ex SERIES
ATEX screwcaps
with Gas threading
IP66 and IP67

Assembly hole type	Palazzoli code	Pack Q.ty
3/8"	580051EX	1
1/2"	580052EX	1
3/4"	580054EX	1

Uses:
it closes unused Gas thread holes.



UNI-Ex SERIES
ATEX fittings for joining smooth
hole box/threaded hole box
IP66 and IP67

Threaded hole type	Smooth hole ø (mm)	Internal hole ø (mm)	Palazzoli code	Pack Q.ty
1/2"	21	12,5	590032EX	100

Equipment:
inclusive of threaded sleeve with notched crown and small gasket ring in elastomer.

Uses:
it is used for joining a smooth hole box with a 1/2" threaded hole box.

Complementary items:
spanner for fittings on page 149.



UNI-Ex SERIES
ATEX coupling fittings
with Gas threading
IP66 and IP67

Assembly hole type	Internal hole ø (mm)	Palazzoli code	Pack Q.ty
1/2"	16	590002EX	100
3/4"	20	590004EX	1

Equipment:
inclusive of sleeve and small gasket ring in elastomer.

Uses:
they are used for joining boxes with connections of the same size.

UNIVERSAL FITTINGS AND ACCESSORIES



UNI-Ex SERIES
Brass cable glands with
ATEX metric pitch threading
IP68

Thread	Assembly hole (mm)	Fastening diameter (mm)	Thread length (mm)	Palazzoli code	Pack Q.ty
M12x1,5	12,5	4-7	12	582112EX	100
M16x1,5	16,5	6,5-10	12	582116EX	100
M20x1,5	20,5	10-13	12	582120EX	50
M25x1,5	25,5	11-17	12	582125EX	50
M32x1,5	32,5	14-21	15	582132EX	25
M40x1,5	40,5	21-26	15	582140EX	10
M50x1,5	50,5	26-35	15	582150EX	8
M63x1,5	63,5	35-40	15	582163EX	5



UNI SERIES
Brass polygonal nuts
with metric thread

Thread	Palazzoli code	Pack Q.ty
M12x1,5	582212	100
M16x1,5	582216	100
M20x1,5	582220	100
M25x1,5	582225	100
M32x1,5	582232	25
M40x1,5	582240	10
M50x1,5	582250	10
M63x1,5	582263	5

Uses:
they are used to fasten cable glands with metric pitch to enclosure walls with through holes.



UNI-Ex SERIES
Brass Gas/Metric adaptors
for conduit/box couplings
IP66/67

For threaded hole	For pipe with threading type	Palazzoli code	Pack Q.ty
3/8" Gas	M16x1,5	580360EX	1
1/2" Gas	M20x1,5	580361EX	1
3/4" Gas	M25x1,5	580364EX	1
1" Gas	M32x1,5	580365EX	1

Uses:
they are equipped with Iso metric threaded insert for direct installation on Gas threaded holes.



UNI-Ex SERIES
Brass Pg/Metric adaptors
for conduit/box couplings
IP66/67

For threaded hole	For pipe with threading type	Palazzoli code	Pack Q.ty
Pg21	M25x1,5	580394EX	1
Pg29	M32x1,5	580395EX	1
Pg36	M40x1,5	580396EX	1

Uses:
they are equipped with Iso metric threaded insert for direct installation on Pg threaded holes.



CAM-EX series

PRODUCT SPECIFICATIONS

In compliance with standards: GAS: EN 60079-15
DUSTS: EN 61241-1

Compliance with directives: ATEX 94/9/CE

2, 21 and 22 ZONE

Certifications: European Certification Consortium / IMQ



For classifications of each item see page 260-261

All products from the CAM-EX series are equipped with test device that allows an individual test that guarantees the adequateness of the protection mode (restricted breathing) The testing point is located on the bottom side on the enclosure and features a specific gland.



CAM-Ex SERIES
ATEX watertight wall-mounting
switches in window enclosure of
thermosetting (GRP) material
IP66 / IP67

Rated current (A)	Poles	Scheme CAM	Enclosure dimensions (mm)	Windows	Palazzoli code	Pack Q.ty
100A (2D) 80A (3G)	4	3	185x250		292503EX	1
200A (2D) 150A (3G)	4	3	185x250		292603EX	1
	4	3	250x250		292623EX	1

Equipment:

Lockable knob. Earth terminal inside the box. Window enclosures with flanged windows equipped with gaskets and screws.

Characteristics:

Captive gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected. Corrosion resistant non-loosening terminals.

Anti-tracking, anti-static and self-extinguishing resin body.

All products from the CAM-EX series are equipped with test port to allow single limited respiration testings after installation and during ordinary maintenance. The point is made in the lower part thanks to the cable gland.



CAM-Ex SERIES
ATEX watertight wall-mounting
switches in enclosure of
thermosetting (GRP) material
IP66 / IP67

Rated current (A)	Poles	Scheme CAM	Enclosure dimensions (mm)	Holes	Palazzoli code	Pack Q.ty
16A (2D) 10A (3G)	2	1	92x125		292101EX	1
	3	2	92x125		292102EX	1
	4	3	92x125		292103EX	1
25A (2D) 20A (3G)	2	1	92x125		292201EX	1
	3	2	92x125		292202EX	1
	4	3	92x125		292203EX	1
40A (2D) 32A (3G)	2	1	125x185		292301EX	1
	3	2	125x185		292302EX	1
	4	3	125x185		292303EX	1
63A (2D) 50A (3G)	2	1	125x185		292411EX	1
	3	2	125x185		292412EX	1
	4	3	125x185		292413EX	1

Equipment:

earth terminal inside the box.

Characteristics:

Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected. Corrosion resistant non-loosening terminals.

Anti-tracking, anti-static and self-extinguishing resin body.

ROTARY CONTROL
AND PROTECTION DEVICES



CAM-Ex SERIES
ATEX wall-mounted switches
in enclosure alloy windowed
in aluminium alloy
IP66 / IP67

Rated current (A)	Poles	Scheme CAM	Enclosure dimensions (mm)	Windows	Palazzoli code	Pack Q.ty
16 (2D-3G)	2	1	92x92		272141EX	6
	3	2	92x92		272142EX	6
	4	3	92x92		272143EX	6
	6	3.1	92x125		272144EX	1
25 (2D-3G)	2	1	92x92		272241EX	1
	3	2	92x92		272242EX	6
	4	3	92x92		272243EX	6
	6	3.1	92x125		272244EX	1
40 (2D-3G)	2	1	125x125		272301EX	1
	3	2	125x125		272302EX	1
	4	3	125x125		272303EX	1
	6	3.1	125x185		272304EX	1

(to be contd.)

Rated current (A)	Poles	Scheme CAM	Enclosure dimensions (mm)	Windows	Palazzoli code	Pack Q.ty
63 (2D) 50 (3G)	3	2	125x185		282402EX	1
	4	3	125x185		282403EX	1
	6	3.1	125x185		282404EX	1
80 (3GD)	3	2	185x252		272502EX	1
	4	3	185x252		272503EX	1
200 (3GD)	4	3	220x315		282603EX	1

Equipment:
Earth terminal inside and outside the box.
Characteristics:
IP65 protection rating for 80A and 200A capacity.



CAM-Ex SERIES
ATEX wall-mounting watertight
selector switches in aluminium
alloy enclosures with windows
IP66 / IP67

Rated current (A)	Poles	Scheme CAM	Enclosure dimensions (mm)	Windows	Palazzoli code	Pack Q.ty
16A (3GD)	3	6	92x125		272146EX	1
	4	7	92x125		272147EX	1
25A (3GD)	3	6	92x125		272246EX	1
	4	7	92x125		272247EX	1
40A (3GD)	3	6	125x185		272306EX	1
	4	7	125x185		272307EX	1
50A (3GD)	3	6	125x185		282406EX	1
	4	7	252x185		282407EX	1
100A (3GD)	4	7	315x315		272507EX	1

Equipment:
earth terminal inside and outside the box.
Characteristics:
IP65 protection rating for 80A, 200A and 300A capacity..



Sirens and bells for alarms and signalling



ALARM-EX

293

Sirens



ALARM-EX

293

Bells





ALARM-EX series

PRODUCT SPECIFICATIONS

In compliance with standards: GAS: EN 60079-15
DUSTS: EN 61241-1

Compliance with directives: ATEX 94/9/CE

2, 21 and 22 ZONE

Certifications: European Certification Consortium / IMQ



For classifications of each item see page 260-261



ALARM-Ex SERIES
ATEX watertight sirens with
vibrating diaphragm for extended
operation in aluminium alloy in
metal enclosure
IP66

Rated current	Frequency	1 metre sound level (dB)	Power (VA)	Cable glands	Palazzoli code	Pack Q.ty
24V~	50/60Hz	107/105	60VA initial vibrating 25VA	M20x1.5	101081EX	1
110V~	50/60Hz	107/105	60VA initial vibrating 25VA	M20x1.5	101081EX	1
230V~	50/60Hz	107/105	60VA initial vibrating 25VA	M20x1.5	101081EX	1

Equipment:
cable gland with gasket, terminal block in insulating thermosetting (GRP) material.

Characteristics:
extended operation with 1 hour pause every 4 hours. Captive gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure the proper limited respiration even after frequent removal. The aluminium alloy casing ensures the greatest level of protection against severe environmental conditions, in particular against impact and corrosion. Corrosion resistant non-loosening terminals.



ALARM SERIES
Directional horn for sirens

Diameter max. (mm)	Projection siren+horn (mm)	Palazzoli code	Pack Q.ty
112	238	900448	1

Equipment:
inclusive of stainless steel fixing screws.



ALARM-Ex SERIES
ATEX watertight sirens for
continuous operation in aluminium
alloy in metal enclosure
IP66

Rated current	Drum diameter (mm)	1 metre sound level (dB)	Power (VA)	Cable glands	Palazzoli code	Pack Q.ty
24V~	105	101	initial 13VA 11VA vibrating	M20x1.5	101081EX	1
110V~	105	101	initial 13VA 11VA vibrating	M20x1.5	101081EX	1
230V~	105	101	initial 13VA 11VA vibrating	M20x1.5	101081EX	1

Equipment:
cable gland with gasket, terminal block in insulating thermosetting (GRP) material, earth screws inside and outside the box.

Characteristics:
these are suitable for continuous or extended operation. Captive gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure the proper limited respiration even after frequent removal. The aluminium alloy casing ensures the greatest level of protection against severe environmental conditions, in particular against impact and corrosion. Corrosion resistant non-loosening terminals.

Small devices in modular enclosures





TAIS-MIGNON-EX 295
In thermosetting (GRP) material IP66/IP67



RONDÒ-EX
In aluminium alloy IP54/IP65



TAIS-MIGNON-EX series	
PRODUCT SPECIFICATIONS	
In compliance with standards:	GAS: EN 60079-15 DUSTS: EN 61241-1
Compliance with directives: ATEX 94/9/CE	
2, 21 and 22 ZONE	
Certifications:	European Certification Consortium / IMQ
 	
For classifications of each item see page 260-261	

All products from the TAIS-MIGNON-EX series are equipped with test port to allow single limited respiration testings after installation and during ordinary maintenance. The test point is made in the lower part thanks to the cable gland.



TAIS-MIGNON-EX SERIES
ATEX switches in watertight wall-mounting enclosure in thermosetting (GRP) material IP66 / IP67

Poles	Rated voltage/current	Enclosure dimensions (mm)	Holes	Palazzoli code	Pack Q.ty
1	16A 250V~ 10A 400V~ (2D - 3G)	62x80x48	1/2"	202271EX	1
1	16A 250V~ 10A 400V~ (2D - 3G)	62x80x48	3/8" 3/8"	202261EX	1
2	16A 250V~ 10A 400V~ (2D - 3G)	62x80x48	3/8" 3/8"	202262EX	1
2	16A 250V~ 10A 400V~ (2D - 3G)	62x80x48	1/2"	202282EX	1
3	8A (2D) - 12A (3G) 400V~ (2D - 3G)	62x80x48	1/2"	202283EX	1

Characteristics:
code 202271EX they can also be used with two opposite inlets. Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected. Corrosion resistant non-loosening terminals.



TAIS-MIGNON-EX SERIES
ATEX two-way switches in watertight wall-mounting enclosure in thermosetting (GRP) material IP66 / IP67

Poles	Rated voltage/current	Enclosure dimensions (mm)	Holes	Palazzoli code	Pack Q.ty
1	16A 250V~ 10A 400V~ (2D - 3G)	62x80x48	1/2"	202276EX	1
1	16A 250V~ 10A 400V~ (2D - 3G)	62x80x48	3/8" 3/8"	202266EX	1

Characteristics:
code 202276EX they can also be used with two opposite inlets. Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected. Corrosion resistant non-loosening terminals.



TAIS-MIGNON-EX SERIES
ATEX selector switches in watertight wall-mounting enclosure in thermosetting (GRP) material IP66 / IP67

Poles	Rated voltage/current	Enclosure dimensions (mm)	Holes	Palazzoli code	Pack Q.ty
1	16A 250V~ 10A 400V~ (2D - 3G)	62x80x48	1/2"	202275EX	1
1	16A 250V~ 10A 400V~ (2D - 3G)	62x80x48	3/8" 3/8"	202265EX	1

Characteristics:
code 202275EX they can also be used with two opposite inlets. By removing the rear bond, the device becomes a double single-pole switch. Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected. Corrosion resistant non-loosening terminals.



SMALL DEVICES IN MODULAR ENCLOSURE



TAIS-MIGNON-Ex SERIES
ATEX push-button in watertight wall-mounting enclosure in thermosetting (GRP) material IP66 / IP67

Poles	Rated voltage/current	Enclosure dimensions (mm)	Holes	Palazzoli code	Pack Q.ty
1 NA	10A 400V~ (2D - 3G)	62x80x51	1/2" 	261435EX	1
1 NA	10A 400V~ (2D-3G)	62x80x51	 3/8" 3/8"	261403EX	1
1 NC	10A 400V~ (2D-3G)	62x80x51	1/2" 	261445EX	1
1 NC	10A 400V~ (2D-3G)	62x80x51	 3/8" 3/8"	261413EX	1

Characteristics:
code 261435EX and code 261445EX they can also be used with two opposite inlets. Captive gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected. Corrosion resistant non-loosening terminals.



TAIS-MIGNON-Ex SERIES
On-off ATEX push-button panel in watertight wall-mounting enclosure in thermosetting (GRP) material IP66 / IP67

Rated current/voltage	Enclosure dimensions (mm)	Holes	Palazzoli code	Pack Q.ty
10A 400V~ (2D - 3G)	62x80x51	1/2" 	261433EX	1

Characteristics:
they can be used with two opposite inlets. Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected. Corrosion resistant non-loosening terminals.



TAIS-MIGNON-Ex SERIES
ATEX signal lamps in watertight wall-mounted enclosure thermosetting (GRP) material with E14 lampholder IP65

Diffuser colour	Rated voltage	Enclosure dimensions (mm)	Holes	Palazzoli code	Pack Q.ty
Red	250V	62x80x78	1/2" 	800061EX	1
Green	250V	62x80x78	1/2" 	800062EX	1
Yellow	250V	62x80x78	1/2" 	800064EX	1
Transparent	250V	62x80x78	1/2" 	800063EX	1



Characteristics:
they can also be used with two opposite inlets. Captive gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected. Corrosion resistant non-loosening terminals. Polycarbonate diffusor. Lampholder E14 for 3C bulbs, 12W max. (bulb not supplied).

Product specifications
page 295

Dimensions
page 421





RONDÒ-EX series	
PRODUCT SPECIFICATIONS	
In compliance with standards:	GAS: EN 60079-15 DUSTS: EN 61241-1
Compliance with directives:	ATEX 94/9/CE
2, 21 and 22 ZONE	
Certifications:	European Certification Consortium / IMQ
 	
For classifications of each item see page 260-261	

All products from the RONDÒ-EX series are equipped with test port to allow single limited respiration testings after installation and during ordinary maintenance. The test point is made in the lower part thanks to the cable gland.



RONDÒ-EX SERIES
ATEX wall-mounted switches
in watertight aluminium alloy
enclosure
IP65

Poles	Rated voltage/current	Cable glands	Palazzoli code	Pack Q.ty
1	16A 250V~ 10A 400V~	1x1/2"	201151EX	1
2	16A 250V~ 10A 400V~	1x1/2"	201152EX	1
2	16A 250V~ 10A 400V~	2x1/2"	201162EX	1

Equipment and characteristics: see the following table.



RONDÒ-EX SERIES
ATEX wall-mounted two-way
switches in watertight aluminium
alloy enclosure
IP65

Poles	Rated voltage/current	Cable glands	Palazzoli code	Pack Q.ty
1	16A 250V~ 10A 400V~	1x1/2"	201156EX	1
1	16A 250V~ 10A 400V~	2x1/2"	201166EX	1

Equipment:
with 1/2" gas cable glands. Earth screws inside and outside the box.
Characteristics:
Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration without maintenance. Corrosion resistant non-loosening terminals.



RONDÒ-EX SERIES
ATEX wall-mounted selector switch
in watertight aluminium alloy
enclosure
IP65

Poles	Rated voltage/current	Cable glands	Palazzoli code	Pack Q.ty
1	16A 250V~ 10A 400V~	1x1/2"	201155EX	1

Equipment and characteristics: see the following table.



RONDÒ-EX SERIES
ATEX wall-mounted push-button
in watertight aluminium alloy
enclosure
IP65

Poles	Rated voltage/current	Cable glands	Palazzoli code	Pack Q.ty
1 NA	10A 400V~	1x1/2"	261021EX	1

Equipment:
with 1/2" gas cable glands. Earth screws inside and outside the box.
Characteristics:
Captive gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration without maintenance. Corrosion resistant non-loosening terminals.



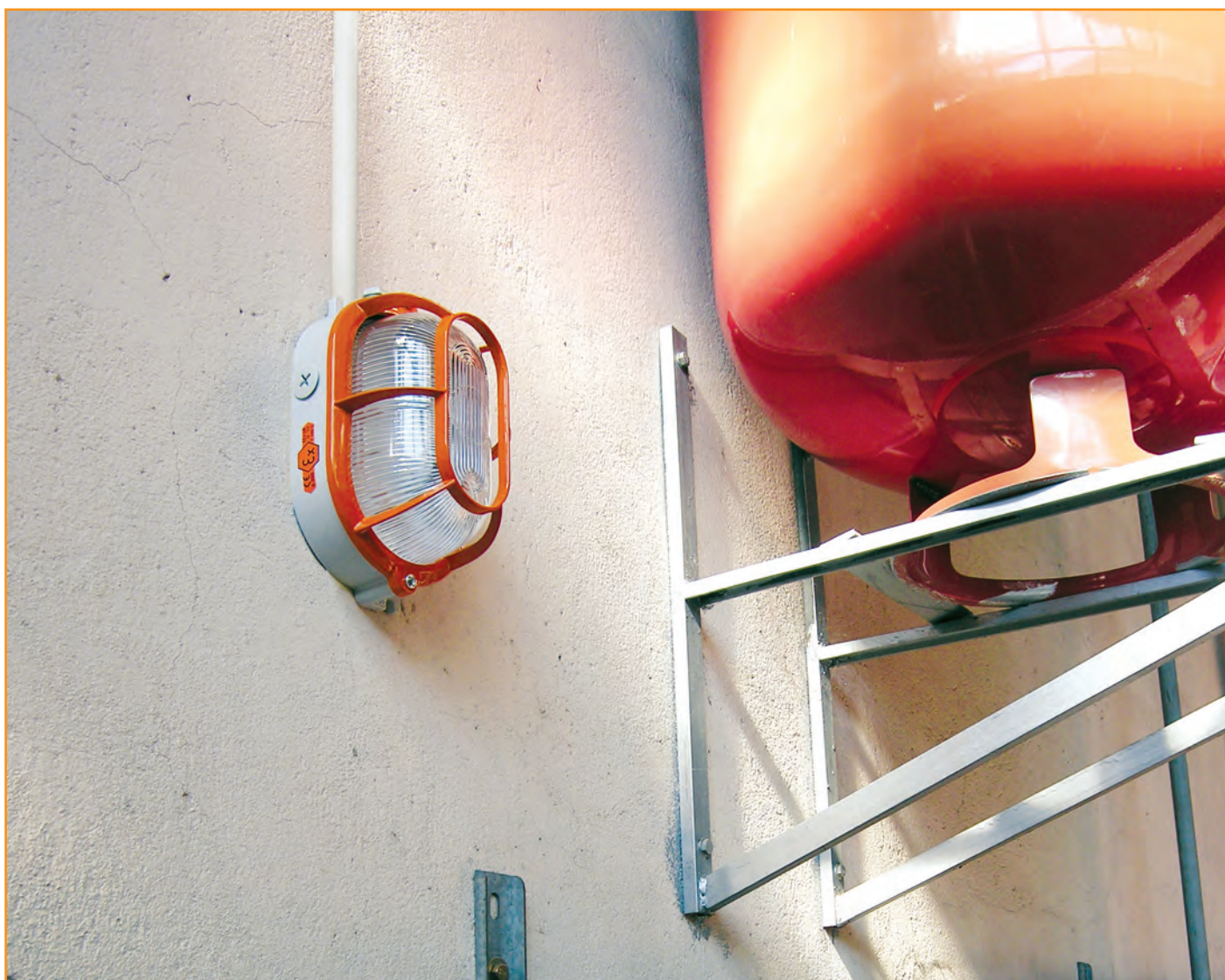
RONDÒ-EX SERIES
ATEX wall-mounted signal lamps
in watertight aluminium alloy
enclosure
IP54

Diffuser colour	Rated use voltage	Lamp max. wattage (W)	Cable glands	Palazzoli code	Pack Q.ty
Red	250V	12	1x1/2"	800121EX	1
Green	250V	12	1x1/2"	800122EX	1
Transparent	250V	12	1x1/2"	800123EX	1

Equipment:
inclusive of 1/2" gas cable glands. External earth screw.
Characteristics:
lampholder E14 for 3C bulbs, 12W max. (bulb not supplied).



Lighting fixtures in aluminium alloy



RINO-EX

299

Oval lighting fixtures in aluminium alloy IP65





RINO-EX

299

Round lighting fixtures in aluminium alloy IP65



RINO-EX series	
PRODUCT SPECIFICATIONS	
In conformity with standards:	GAS: EN 60079-15 DUSTS: EN 61241-1
Compliance with directives:	ATEX 94/9/CE
2, 21 and 22 ZONE	
Certifications:	European Certification Consortium / IMQ
 	
For classifications of each item see page 260-261	



RINO-Ex SERIES
ATEX grey watertight oval lighting fixtures in aluminium alloy RAL 7035, tropicalized steel wire protective cage and glass diffuser 250V - IP65

Lamp max. wattage (W)	Lampholder	Cable gland entry 1/2"	Palazzoli code	Pack Q.ty
60	E27	1	831072EX	1
100	E27	1	831172EX	1
100	E27	2	831192EX	1

Equipment:
cable entries with 1/2" gas cable gland. Internal earth screws.

Characteristics:
porcelain lampholder. Corrosion resistant non-loosening terminals, non-sparking lampholder (in compliance with CEI of Committee 34). Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base.



RINO-Ex SERIES
RAL 7035 grey ATEX watertight oval lighting fixtures in aluminium alloy, die-cast cage and glass diffuser 250V - IP65

Lamp max. wattage (W)	Lampholder	Cable gland entry 1/2"	Palazzoli code	Pack Q.ty
200	E27	1	831275EX	1
200	E27	2	831295EX	1
5-7-9	G23	1	831954EX	1

Equipment:
cable entries with 1/2" gas cable gland. Internal earth screws.

Characteristics:
porcelain lampholder. Corrosion resistant non-loosening terminals, non-sparking lampholder (in compliance with CEI of Committee 34). Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base.



RINO-Ex SERIES
ATEX grey watertight round lighting fixture in aluminium alloy RAL 7035, tropicalized steel wire protective cage and glass diffuser 250V - IP65

Lamp max. wattage (W)	Lampholder	Cable gland entry 1/2"	Palazzoli code	Pack Q.ty
100	E27	1	830072EX	1

Equipment:
cable entries with one 1/2" gas cable gland. Internal earth screws.

Characteristics:
porcelain lampholder. Corrosion resistant non-loosening terminals, non-sparking lampholder (in compliance with CEI of Committee 34). Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base.



Lighting fixtures



RINO-EX

301

Stainless steel lighting fixtures
with white reflector IP66



RINO-EX

302

Stainless steel lighting fixtures
with aluminium reflector IP66





RINO

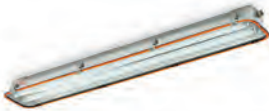
303

Technical accessories

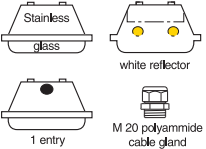




RINO-EX series			
PRODUCT SPECIFICATIONS			
In conformity with standards:		GAS:	EN 60079-15
		DUSTS:	EN 61241-1
Compliance with directives: ATEX 94/9/CE			
2, 21 and 22 ZONE			
Certifications:		European Certification Consortium / IMQ	
			
For classifications of each item see page 260-261			



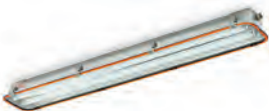
RINO-EX SERIES
ATEX stainless steel-glass lighting
fixtures with white reflector and
electromagnetic power supply
230V - 50 Hz - IP66



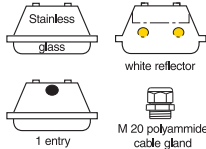
Lamp wattage (W)	Lampholders and lamps	Dimensions (mm)	Palazzoli code	Pack Q.ty
1x18	G13 T8	690x200x100	822101EX	1
2x18	G13 T8	690x200x100	822102EX	1
3x18	G13 T8	690x200x100	822103EX	1
1x36	G13 T8	1300x200x100	822201EX	1
2x36	G13 T8	1300x200x100	822202EX	1
3x36	G13 T8	1300x200x100	822203EX	1

Equipment:
M20 polyamide cable gland.
Pair of hooks for pendant installation.

Characteristics:
AISI 304 stainless steel body and hooks. Diffuser in tempered glass with an impact resistance of 10J. Corrosion resistant non-loosening terminals, non-sparking lampholder (in compliance with CEI of Committee 34). Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base.



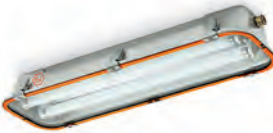
RINO-EX SERIES
ATEX stainless steel-glass lighting
fixtures with white reflector and
electronic power supply
230VAC/DC - IP66



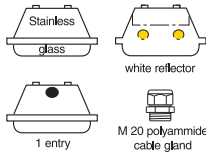
Lamp wattage (W)	Lampholders and lamps	Dimensions (mm)	Palazzoli code	Pack Q.ty
1x54	G5 T5	1300x200x100	822961EX	1
2X54	G5 T5	1300x200x100	822962EX	1

Equipment:
M20 polyamide cable gland.
Pair of hooks for pendant installation.

Characteristics:
AISI 304 stainless steel body and hooks. Diffuser in tempered glass with an impact resistance of 10J. Corrosion resistant non-loosening terminals, non-sparking lampholder (in compliance with CEI of Committee 34). Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base.



RINO-EX SERIES
Stainless steel-glass lighting
fixtures, for **emergency** 230V - 50
Hz - IP66



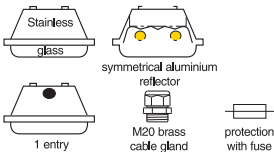
Lamp wattage (W)	Lampholders and lamps	Dimensions (mm)	Palazzoli code	Pack Q.ty
(1+1)x36	G13 T8	1300x200x100	822211EX	1

Equipment:
M20 polyamide cable gland.
Pair of hooks for pendant installation.

Characteristics:
permanent emergency wiring on a single lamp, Ni-Cd battery, inverter, 1h autonomy, 24h recharge with the possibility of inhibition. AISI 304 stainless steel body and hooks. Diffuser in tempered glass with an impact resistance of 10J. Corrosion resistant non-loosening terminals, non-sparking lampholder (in compliance with CEI of Committee 34). Unlosable gaskets in non-ageing elastomer fastened to a rigid base.

STAINLESS STEEL
LIGHTING FIXTURES

RINO-Ex SERIES
ATEX stainless steel-glass lighting
fixtures with aluminium reflector
**and electromagnetic power
supply**
230V - 50 Hz - IP66



Lamp wattage (W)	Lampholders and lamps	Dimensions (mm)	Palazzoli code	Pack Q.ty
2x18	G13 T8	690x200x100	820102EX	1
2x36	G13 T8	1300x200x100	820202EX	1

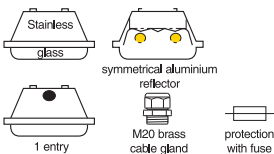
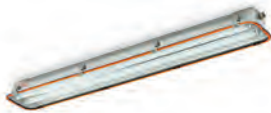
Equipment:

ultra-polished aluminium reflector. M20 brass cable gland. Pair of hooks
for pendant installation.

Characteristics:

AISI 304 stainless steel body and hooks. Diffuser in tempered glass with
an impact resistance of 10J. Corrosion resistant non-loosening terminals,
non-sparking lampholder (in compliance with CEI of Committee 34).
Unlosable gaskets in non-ageing elastomer fastened to a non-
deformable rigid base.

RINO-Ex SERIES
ATEX stainless steel-glass lighting
fixtures with aluminium reflector
and electronic power supply
230VAC/DC - IP66



Lamp wattage (W)	Lampholders and lamps	Dimensions (mm)	Palazzoli code	Pack Q.ty
2x18	G13 T8	690x200x100	820132EX	1
2x36	G13 T8	1300x200x100	820232EX	1

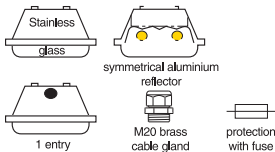
Equipment:

ultra-polished aluminium reflector. M20 brass cable gland. Pair of hooks
for pendant installation.

Characteristics:

AISI 304 stainless steel body and hooks. Diffuser in tempered glass with
an impact resistance of 10J. Corrosion resistant non-loosening terminals,
non-sparking lampholder (in compliance with CEI of Committee 34).
Unlosable gaskets in non-ageing elastomer fastened to a non-
deformable rigid base.

RINO-Ex SERIES
ATEX stainless steel-glass lighting
fixtures with aluminium reflector **for
emergency**
230V - 50 Hz - IP66



Lamp wattage (W)	Lampholders and lamps	Dimensions (mm)	Palazzoli code	Pack Q.ty
(1+1)x18	G13 T8	690x200x100	820111EX	1
(1+1)x36	G13 T8	1300x200x100	820211EX	1

Equipment:

ultra-polished aluminium reflector. M20 brass cable gland. Pair of hooks
for pendant installation.

Characteristics:

permanent emergency wiring on a single lamp, Ni-Cd battery, inverter,
1h autonomy, 24h recharge with the possibility of inhibition. AISI 304
stainless steel body and hooks. Diffuser in tempered glass with an
impact resistance of 10J. Corrosion resistant non-loosening terminals,
non-sparking lampholder (in compliance with CEI of Committee 34).
Unlosable gaskets in non-ageing elastomer fastened to a non-
deformable rigid base.



RINO SERIES
Pair of hooks for pendant
installation of painted stainless
steel lighting fixtures

Manufacture material	Palazzoli code	Pack Q.ty
stainless steel AISI 304	820001	1

Equipment:
lighting fixture washers and fixing nuts



RINO SERIES
Pair of swivelling supports for wall
and ceiling installation of painted
stainless steel lighting fixtures

Rotating angle	Manufacture material	Palazzoli code	Pack Q.ty
± 75°	stainless steel AISI 304	820000	1



RINO SERIES
High output ultra-polished
aluminium symmetrical reflectors

Manufacture material	For lighting fixtures	Palazzoli code	Pack Q.ty
Aluminium	1x18W e 3x18W	820002	1
Aluminium	1x36W e 3x36W	820003	1

TESTING DEVICES



new **ATEX SERIES**
Device for
limited respiration testing
of interlocked socket-outlets
with Ex nr protection method

For interlocked socket-outlets	Pole number	Palazzoli code	Pack Q.ty
16A (2D) 10A (3G)	2P+⏏	478126	1
16A (2D)	3P+⏏	478136	1
10A (2D-3G)	3P+N+⏏	478146	1
16A (2D) 12A(3G)			
32A (2D) 16A (3G)	2P+⏏	478206	1
32A (2D)	3P+⏏		
16A (2D-3G)	3P+N+⏏	478246	1
32A (2D) 25A(3G)			
63A (2D) 32A (3G)	2P+⏏	478306	1
63A (2D)	3P+⏏		
32A (2D-3G)	3P+N+⏏		
63A (2D) 50A(3G)			
80A (2D-3G)	3P+⏏	478408	1
	3P+N+⏏		

Instructions
insert the testing device into the socket-outlet (test port), tighten the device's shade ring and do the testing according to Art.33.7.1 of EN60079-15 Standards with the suitable measuring device.



At palazzoli.com the practical guide to install in potentially explosive atmosphere is available. Experts from this field created detailed technical sheets for:

- Forklift truck battery charging zones;;
- Repair and Body shops;
- Garages;
- Painting departments;
- Heating Plants;
- Carpenteries;
- Ovens;
- Large kitchens;
- Grain silos;

Pharmaceutical industry.

Fire and explosion risks and severe environmental stresses are analysed. For any application, the best solutions are thought for a state-of-the-art system.

Certified Quality

In conformity with, Article 9 of **94/9/CE Directive** of the European Union Board of 23 March 1994, **IMQ** declared that **Palazzoli provides a quality system of production in conformity with Atachment IV of the Directive**. Moreover, Palazzoli can sell products for **Zone 21** (other than zones 2,22) according to C.E.C. (European Certification Consortium).

