A. LEGRAND ELECTRIC

III. LEGRAND - Part 3 –

8. Weatherproof wiring accessories

9. Intercom and Video door entry phones

10. Emergency Lighting luminaries

11. Fire alarms

8. WEATHERPROOF WIRING ACCESSORIES

PLEXO 55

KEEP YOUR OPTIONS **OPEN** WITH PLEXO 55

MODULAR : FOR YOUR MOST COMMONLY-USED FUNCTIONS...

white or grey

2-pole switch

- Choose the boxes you require : whether single or multiple, in grey or white, with membrane gland or cable gland entries, with the mechanisms you require.

ONE PIECE UNIT : FOR ADDITIONAL FUNCTIONS...

Thermostat

- To widen your choice, we offer a series of one-piece units for additional functions under a single catalogue number.

PLEXO 55 + MOSAIC : UNLIMITED POSSIBILITIES !

RJ 45
data sockets

- More than 90 modular functions can be accessed using the Mosaic adaptor.
- The solution for all non-standard sites.

Plexo 55
weatherproof - control units

916 05 916 14 916 03

Pack Cat.Nos **IP 55 - IK 07**

Grey RAL 7035/7016 polycarbonate/ polypropylene housing
Temp. rating : – 25 to + 60 °C
Supplied with 1 flat + 1 stepped gland
Captive terminal screws supplied in backed-off position

Switches 10 A - 250 V

Conform to BS EN 60669 - 1
IP 55 - IK 07 to BS EN 60529

Pack	Cat.Nos		
10	916 05		1 gang - two-way
10	916 07		2 gang - two-way
10	916 71		1 gang - two-way with indicator(1) (2)
10	916 02		1 gang double pole
1	916 10		1 gang intermediate

Push-buttons

Can be illuminated with lamps Cat.Nos 899 01/02/07
Supplied without lamps (see p. 356)

10	916 12		2 A
10	916 14		2 A with label holder
10	916 27		6 A (N/O and N/C contacts)

Time lag switch with neon indicator(1)
230 V~ - 50/60 Hz

1	916 03		6A - 230 V~ - 50/60 Hz - Time period adjustable from 30 s to 6 mn 30 s (supplied in 3 mn 30 s). Supplied without lamp 1 380 W incandescent and halogen 230 V 1 380 W resistive (eg : heating) 400 VA fluorescent and 300 VA halogen ELV
1	916 04		Time period adjustable between 1 and 15 minutes. Necessary to use a 3 conductors wire. Neutral compulsory Supplied without lamp (see p. 356) 1 000 W resistive - 400 VA inductive 500 W incandescent and 230 V halogen 400 VA fluo and 300 VA halogen ELV

Roller blind control

1	916 08		Double pole two-way changeover switch for 500 VA max. direct central of a motor (mechanism with fixed positions) 10 A - 250 V~
1	916 15		Double pole changeover push-button for control via automatic box (N/O mechanism) 6 A - 250 V~

(1) Use lamps Cat.Nos 899 01/02/07 for locator usage
(2) Use lamp Cat.No 899 06 for indicator usage

Plexo 55
weatherproof, international standards sockets

916 43 916 41

916 60

Pack Cat.Nos **Socket outlets 13 A - 250 V~**
British standard

Conform to BS 1363 : Part 2
IP 55 - IK 07 to BS EN 605/29
Socket mechanism ASTA certified

Pack	Cat.Nos		
10	916 43		1 gang - 13 A socket
5	916 60		2 gang - switch and 13 A socket
5	916 61		2 gang - two 13 A sockets
10	917 43		Panel mounting 1 gang - 13 A socket Requires bezel Cat.No 917 97 (p. 357)

IP 55 - IK 07
16 A - 250 V~ socket outlets
French and German standards

German standard

10	916 40		2 P + ⏚ with shutters for child protection
10	916 41		2 P + ⏚

French standard

10	916 44		2 P + ⏚ socket with shutters for child protection
10	916 45		2 P + ⏚ with tamper proof insert
10	502 99		Tamper proof insert for socket Cat.No 916 45 - fits directly into the plug

Plexo 55
weatherproof - safety and emergency

916 16

916 21

916 74 + 916 78

916 74 + 916 67

916 75

Pack	Cat.Nos	IP 55 - IK 07
		Mushroom head push-buttons 10 A - 250 V~
		Supplied with "emergency stop" label in 6 languages
1	916 16	Emergency stop, N/C contact Yellow cover - Red button
1	916 17	Emergency stop, N/C + N/O contact Yellow cover - Red button
1	916 18	Emergency stop, N/C + N/O contact Yellow cover - Red button Stay put 1/4 turn release
		Key operated switches 10 A - 250 V~
		Supplied with label and RONIS key No 455
1	916 21	2 positions "0 - I", 2 N/O contacts Key removable in both positions
1	916 22	3 positions "I - 0 - II", 2 N/O contacts Key removable in all 3 positions
		NO/NC contacts
		Allow changing of contacts on above key-operated switches and mushroom head pushbuttons
5	917 95	N/O contact
5	917 96	N/C contact
		Empty box
10	916 90	Supplied with cord grip
		Pilot light
10	916 74	Accepts E10 lamps - 5 W max. Supplied without lamps (see p. 356) Supplied without diffusers (see below)
		Diffusers for pilot light for lamps E10 896 36/37/38/40/41 (see p. 356)
10	916 75	Colourless
10	916 76	Green
10	916 78	Red
		Diffusers for pilot light for lamps E10 898 36/37/38/40/41 (see p. 356)
10	916 65	Colourless
10	916 66	Green
10	916 67	Orange
10	916 68	Red
10	916 69	Blue

Plexo 55
weatherproof - heating - detection

916 84

916 86

916 81

Pack	Cat.Nos	IP 55 - IK 07
		Electronic room thermostat
1	916 84	Ensures temperature control in clamp locations or in specific conditions (e.g. workshops, laboratories, greenhouses, etc.) Adjustment range : 5 to 30 °C Adjustment button with index and end-of-travel stopper For use with mains supply : 230 V~ - 50/60 Hz Output by pre-powered changeover contact • LV use Breaking capacity : - 8 A - 250 V~ resistive circuit - 2 A - 250 V~ inductive circuit • ELV use Breaking capacity : - 1 mA min. to 500 mA max. 12 V to 48 V⎓
		Photo-electric dawn/dusk switch
1	916 86	Switches light on at dusk and off again at dawn Adjustable switching threshold between 0.5 and 2000 lux 1 400 W incandescent - 400 VA fluorescent Supplied with cable gland and fixing bracket
		Photo-electric cell dawn/dusk
1	916 87	For use with modular dawn/dusk switch units Cat.Nos 037 21/25 (p. 160) Supplied in Plexo 55 IP 55 - IK 07 housing
		Detectors with indicator
		Supply voltage : 12 V⎓ Ensures information return using a sharp circuit - opening contact (4 NC 24 V~ or ⎓ - 1 A)
		Gas detector
1	916 81	Detects abnormal build-up of gas (butane, propane, mains gas) Power consumption : • 130 mA on stand-by • 240 mA in alarm mode
		Flood detector
1	916 82	Detects the presence of liquid Power consumption : • 0.1 mA on stand-by • 60 mA in alarm mode Supplied complete with sensor and 2 m length cord
		Temperature increase detector
1	916 83	Indicates a rise in temperature from – 15 °C upwards Power consumption : • 0.1 mA on stand-by • 60 mA in alarm mode Supplied complete with sensor and 2 m length cord

WEATHERPROOF WIRING ACCESSORIES

Plexo 55
weatherproof - RCD sockets

916 53

916 31

916 34

Pack	Cat.Nos	IP 55 - IK 07
		RCD protected socket outlets
		For the protection of users of electrical equipment outdoors or in high-risk locations (cellars, garages, sheds, etc.) Ensures complete protection for the user. Fitted with safety shutters for children protection 2 gang horizontal box Provides positive safety after power cut Is not affected by micro breaks in supply "Power-on" indicator "On-reset" pushbutton and "Off-Test" push button
		British standard - 13 A - 250 V~ Conform to BS 1363 : Part 2
1	916 53	2 P + ⏚ - 10 mA
1	916 54	2 P + ⏚ - 30 mA
		German standard 10/16 A - 250 V~
1	916 31	2 P + ⏚ - 10 mA
1	916 32	2 P + ⏚ - 30 mA
		French standard - 16 A - 250 V~
1	916 33	2 P + ⏚ - 10 mA
1	916 34	2 P + ⏚ - 30 mA

Other British standard
RCD socket outlets

Plexo 55
accessories

916 91

916 94

Pack	Cat.Nos	Conduit and entry glands
10	916 91	Coupling gland
10	916 93	20 mm smooth conduit gland
10	916 94	Stepped gland
10	916 96	20 mm gland for threaded conduit Receive cable gland 13 P
		Lamps
		For switches and push-buttons For indicator and locator usage Supplied with rapid connection device for neutral wire
10	899 01	12 V
10	899 02	24 V
		For indicator usage 230 V~ Bright orange neon
10	899 06	Supplied with rapid connection device for neutral wire
		For locator usage 230 V~ Low consumption green fluorescent
10	899 07	For time lag switch, push buttons, etc
		E10 for pilot lights
10	898 37	24 V - 5 W
10	898 40	230 V - 5 W
10	898 41	230 V - 7 W

Rigid and flexible conduits

Plexo 55
IP 55 - IK 07

917 30

917 31

6806 33

Pack	Cat.Nos	Modular support frames Adaptors for Mosaic - IP 55 - IK 05
		For 2 modules Mosaic Without support except for specific mechanisms such as voltage surge protectors, dimmers bulkead lights... Mount on boxes (see p. 358)
10	917 30	Adaptor with smoked polycarbonate flap
10	917 31	Adaptor with opaque polycarbonate flap lockable with special tool below (not supplied)
1	919 45	Special tool for above

Plexo Cross - IP 55

NEW

For 3 modules Mosaic
Weatherproof IP 55 boxes with membrane
Allows operations of switches without opening cover maintaining IP 55 rating

20	6806 32	White
20	6806 33	Grey

Mosaic mechanisms (see p. 305)

Plexo 55
modular mechanisms

917 07

917 02

917 43

Pack | Cat.Nos | **IP 55 - IK 07**

Modular Plexo 55 mechanisms

Weatherproof IP 55 - IK 07 accessories that can be assembled according to customer requirements
Mechanism only. For box, see opposite

Switches 10 A - 250 V~
Conform to BS EN 60669 - 1

Pack	Cat.Nos		
10	917 05		1 gang - two-way
10	917 07		2 gang - two-way
10	917 02		1 gang-double pole

Push-buttons
Can be illuminated with lamps 899 01/02/07 (p. 356)
Supplied without lamps

10	917 12		2 A
10	917 27		6 A (N/O and N/C contacts)

Socket outlets with cover

16 A - 250 V - German standard

10	917 41		2 P + ⏚ socket

13 A - 250 V - British standard
Conform to BS 1363 : Part 2
IP 55 to BS EN 60529

10	917 43		2 P + ⏚ ASTA approved socket mechanism

16 A - 250 V - French standard

10	917 44		2 P + ⏚ socket with safety shutters

Blanking plate

10	917 98		1 gang

Plexo 55
boxes and accessories

917 81

917 61

917 72

917 52
+ 916 99

Pack | Cat.Nos | **IP 55 - IK 07**

Modular back boxes system

Allow all combinations
Can receive Plexo 55 mechanisms and Mosaic adaptors (see p. 357)

Membrane gland type

Pack	Cat.Nos		
10	917 51		1 gang 1 entry
5	917 61		2 gang vertical 2 entries
5	917 72		2 gang horizontal 2 entries
5	917 81		3 gang horizontal 3 entries

Cable gland 16 P type

10	917 52		1 gang 1 entry
5	917 64		2 gang vertical 2 entries (2 top)
5	917 74		2 gang horizontal 2 entries (2 top)
50	980 64		16 P stopping plug for cable gland obturation

Iso cable glands

WEATHERPROOF WIRING ACCESSORIES

Plexo 55
modular mechanisms, boxes

917 91 + 917 82

917 91 + 917 83

917 91 + 917 90 + 744 30

IP 55 - IK 07

Suitable for applications involving (laboratories, catering establishments, food stores) or healthcare (laboratories, clean rooms...)

Modular mechanisms

Supplied without box
Mounted in boxes (below)

White RAL 9010

10 A - 250 V~ switch

Pack	Cat.Nos	
10	917 82	Two-way switch

2 A push-button

Pack	Cat.Nos	
10	917 84	Illuminated with lamps Cat.Nos 899 01/02/07 (p. 356) Supplied without lamp

10/16 A - 250 V~ socket with flap

Pack	Cat.Nos	
10	917 83	2 P + ⏚ French standard with safety shutters
10	917 86	2 P + ⏚ German standard

Mosaic adaptor

White RAL 9010

Mounted in boxes described below
Accommodates 2-module Mosaic mechanisms

Pack	Cat.Nos	
10	917 90	Adaptor with transparent flap

Boxes with cable glands

White RAL 9010

For multiple combinations
Accommodate Plexo 55 modular mechanisms or Mosaic adaptors above

Pack	Cat.Nos	
10	917 91	One gang - 1 entry point
5	917 92	Two gang - 2 horizontal entry points
5	917 93	Two gang - 2 vertical entry points

For use with DLP

ISO cable glands

grey flush-mounting Plexo
supplied complete

867 02

867 17

IP 44 - IK 08

Flush-mounting Plexo complete comprises, in a single catalogue number, the Sagane mechanism, the plate and the corresponding cover plate. For improved weatherproofing on an uneven surface, simply insert a seal, Cat.Nos 855 35/36/37 to compensate for any irregularities
All Sagane accessories (Griffix claws, bulbs or symbols, etc.) can be mounted on the mechanisms
In addition to the functions directly available in flush-mounting Plexo complete (Two-way switch, push-button, label-holder push-button, 2 P + ⏚ socket), many other functions such as the automatic switch can be created by combining Sagane (p. 336) mechanisms and Plexo grey finishes
Example:
Sagane automatic switch with Plexo finish, Cat.Nos 841 01 + 864 23 + 855 00

Grey RAL 7035/7016

Pack	Cat.Nos Screw mounting	Cat.Nos Claw mounting	
10	867 00	867 10	1-gang - Two-way switch
10	867 01	867 11	2-gang - Two-way switch
10	867 02	867 12	Illuminated push-button supplied without bulb, Cat.Nos 849 21/23
10	867 03	867 13	Label-holder push button
10	867 04		Timer switch
10	867 05		2 P + ⏚ socket with flap and safety shutters
10	867 07	867 17	2 P + ⏚ socket with earth lateral contact

Accessories

Additional seals

For improved weatherproofing, the additional seal can compensate for faults in the wall surface

Grey

Pack	Cat.Nos	
10	855 35	Seal for 1-gang plate
5	855 36	Seal for 2-gang vertical plate
5	855 37	Seal for 2-gang horizontal plate

Surface mounting boxes

Grey RAL 7035

Pack	Cat.Nos	
5	855 40	1-gang surface mounting box 82 x 82 x 40 mm
1	855 41	2-gang vertical surface mounting box 139 x 82 x 40 mm
1	855 42	2-gang horizontal surface mounting box 82 x 153 x 40 mm

white flush-mounting Plexo
supplied complete

867 20

867 27

IP 44 - IK 08

Flush-mounting Plexo complete comprises, in a single catalogue number, the Sagane mechanism, the plate and the corresponding cover plate. For improved weatherproofing on an uneven surface, simply insert a seal, Cat.Nos 855 35/36/37 to compensate for any irregularities
All Sagane accessories (Griffix claws, bulbs or symbols, etc) can be mounted on the mechanisms (p. 336)
In addition to the functions directly available in flush-mounting Plexo complete (2 way switch, pushbutton, label-holder pushbutton, 2P + ⏚ socket), many other functions such as the automatic switch can be created by combining Sagane mechanisms and Plexo

White RAL 9010

Pack	Cat.Nos Screw mounting	Cat.Nos Claw mounting	
10	867 20	867 30	1-gang - Two-way switch
10	867 21	867 31	2-gang - Two-way switch
10	867 22	867 32	Illuminated pushbutton supplied without bulb, Cat.Nos 849 21/23
10	867 23	867 33	Pushbutton with label-holder
10	867 24		Timer switch
10	867 25		2 P + ⏚ socket with cover and safety shutters
10	867 27	867 37	2 P + ⏚ socket with earth lateral contact

White RAL 9010

5	855 45	1-gang surface mounting box 82 x 82 x 40 mm
1	855 46	2-gang vertical surface mounting box 139 x 82 x 40 mm Use with plate Cat.No 855 11
1	855 47	2-gang horizontal surface mounting box 82 x 153 x 40 mm Use with plate Cat.No 855 17

Additional seals

Plexo 10/16 A sockets

903 35 open

903 49 903 37 open

Grey RAL 7035 finish
The degree of weatherproofing .4. applies to an installation on a perfectly flat surface

IP 44 - IK 07
10/16 A - 250 V~ reduced size sockets
French, German, British standards
Panel mounting with cover 61 x 54 mm - 13 mm deep
38 x 38 mm fixing centres
Drilling dia. : 43 mm

Pack	Cat.Nos Screw mounting	
10	903 35	2 P + ⏚ French standard with safety shutters
10	903 36	2 P + ⏚ German standard
10	903 37	2 P + ⏚ - 13 A British standard with safety shutters
10	903 49	Protective box to fit behind panel

Dimensions

10/16 A reduced size sockets

20 A and 32 A plugs and sockets (p. 516 - 517)

Plexo boxes

WEATHERPROOF WIRING ACCESSORIES

PLEXO 66, SURFACE-MOUNTING

- IP66 protection membrane
- Combi head stainless steel 316 captive quick-thread screws
- Installation :
  - Wire the mechanism Terminals : 3 x 1.5 mm² slot-heads (3 x 2.5 mm² possible).
  - Fix cover onto box (4 screws of stainless 316).
  - Clip on rocker plate.

PLEXO 66, FLUSH-MOUNTING

- Peripheral groove for depositing silicone if needed.
- Membrane/wall (not shown) for double protection of mechanism (internal screwing only).
- Blanks to conceal box fixing screws.
- - 2 knockouts with level adjustment.
  - 60 mm centre distance, for flush-mounting in BS box.

PLEXO 66, PLUGGED-IN WITH IP 66 GUARANTED

- Protection guaranted to IP66 with or without plug inserted.
- Opening and closing by pressure on cable.

Plexo 66
grey - surface mounting

IP 66 - IK 08
Grey RAL 7016 / TO 29
Supplied with ISO 20 membrane glands and caps (for rear cabling)
Supplied with open terminals stainless steel captive terminal screws

Pack	Cat.Nos	Switches and push-buttons - 250 V~	
		20 A switches	
	Grey		
1	6846 03		1 gang - 2 way single pole
1	6846 04		2 gang - 2 way single pole
1	6846 05		1 gang - 2 way + neon single pole
1	6846 02		1 gang - 1 way double pole
1	6846 06		1 gang - 1 way double pole + neon
		6 A push-buttons	
1	684611		1 gang - 2 way single pole with bell
1	6846 12		1 gang - 2 way single pole with "Press"
		13 A - 250 V socket outlets	
1	6846 22		1 gang switched with opaque lid
1	6846 20		1 gang unswitched with opaque lid
1	6846 28		2 gang unswitched
1	6846 29		2 gang switched
		13 A fuse spur unit	
1	6846 45		1 gang switched

Plexo 66
grey - surface mounting *(continued)*

Pack	Cat.Nos	Mosaic adaptors for Plexo 66	
1	6846 36		2 module adaptor with semi-transparent lid
1	6846 38		3 module adaptor with semi-transparent lid

Back boxes for Plexo 66 mechanisms

		Allows the installation of Plexo 66 mechanisms to suit individual requirements Supplied with ISO 20 membrane glands and groove to deposit silicone	
1	6846 90		2 gang - 4 knock-outs
1	6846 91		2 gang - 6 knock-outs

Hypra sockets

WEATHERPROOF WIRING ACCESSORIES

Plexo 66
white - flush-mounting

6845 53

6845 55

6845 70

IP 66 - IK 08
White RAL 9010

Pack	Cat Nos	Switches and push-buttons - 250 V	
		20 A switches	
1	White 6845 53		20 A - 1 gang - 2 way single pole
1	6845 54		20 A - 2 gang - 2 way single pole
1	6845 55		20 A - 1 gang - 2 way single pole + neon
1	6845 52		20 A - 1 gang - 1 way double pole
1	6845 56		20 A - 1 gang - 1 way double pole + neon
		6 A push-button	
1	6845 60		1 gang - 2 way single pole
		13 A - 250 V socket outlet	
1	White 6845 70		1 gang unswitched- 2 modules
		Mosaic adaptor for Plexo 66	
1	White 6845 85		2 modules with transparent lid

Plexo 66
white - surface-mounting

6845 37

6845 89

Pack	Cat Nos	13 A - 250 V socket outlets and spur unit	
1	White 6845 22		1 gang - switched socket - 3 modules
1	6845 45		1 gang switched - fused spur unit
1	6845 25	available December 2003	1 gang - rotative switched socket
		Mosaic adaptor	
1	White 6845 37		3 modules with transparent lid
		Accessory	
1	6846 99		Gasket for flush-mounting - black
		Back boxes for Plexo 66 mechanisms	
	White	Allows the installation of Plexo 66 mechanisms to suit individual requirements Supplied with ISO 20 membrane glands and groove to deposit silicone	
1	6845 89		1 gang
1	6845 90		2 gang-4 knock-outs
1	6845 91		2 gang -6 knock-outs

9. INTERCOM & VIDEO DOOR ENTRY PHONES

intercom door entry phone
for individual houses
Sagane

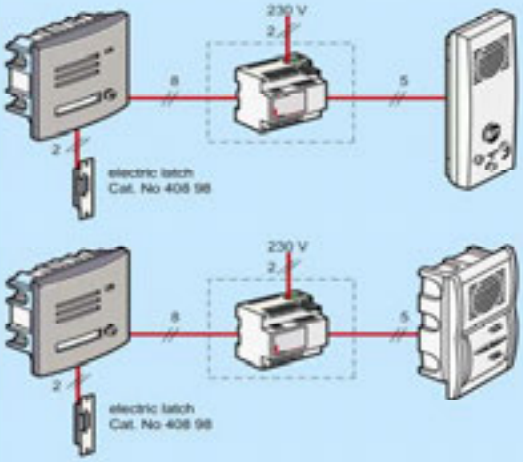
409 00

409 01

Pack	Cat.Nos	Audio door entry kits - Full duplex conversation
		Simple connection using 2 pairs cables • Calls the resident via the pushbutton on the outside terminal • Illuminated label-holder • Incoming call indicated by a chime (adjustable volume) in the inside terminal • Door release controlled by a pushbutton Composition : • 1 230 V/12 V power supply, six 17.5 mm modules for mounting in the consumer unit or distribution board • 1 outside terminal (stainless steel front panel) with illuminated label-holder, microphone, loudspeaker and pushbutton Supplied with flush-mounting box • 1 hands-free inside terminal with chime and door release Pick up the line by pressing PB End conversation by pressing PB or automatic end after one minute Possibility of adding up to 2 more inside terminals Cat.No 409 28 (see opposite)
1	409 00	Surface-mounting hands-free inside terminal kit with pick up PB and door release PB
1	409 01	Sagane hands-free inside terminal with pick up PB Must be completed with Sagane cover plates and according to the appropriate finish (see table opposite) Supplied with 2 vertical module Superbox flush-mounting box Chime switch-off + switch-off indication possible by adding Sagane mechanism Cat.No 840 12 (p. 336) + bulb Cat.No 849 23 (p. 341)
		Accessories for audio kits
1	408 98	Retainer latch for left or right-opening door 12 V AC or DC - 6 W - 158 x 26 x 32 mm Any latch above 9 W or any other device will be relayed via the control interface Cat.No 041 73
1	041 73	Control interface for low current devices (bell,...)
1	041 75	Control interface with time delay for 230 V lighting

intercom door entry phones
for individual houses
Sagane

Installation principle

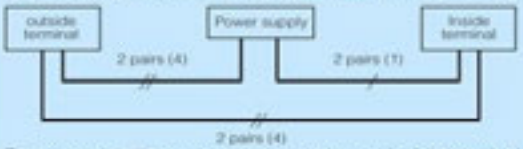


Connection

Cable cross-section in relation to the distance between the power supply and inside and outside terminal

Cable Min. x-section	Max. distance external station - internal station
Ø 6/10	50 m
Ø 0,82 (9/10)	110 m
1.5²	300 m

Type of cable : number of pairs (number of connected wires)



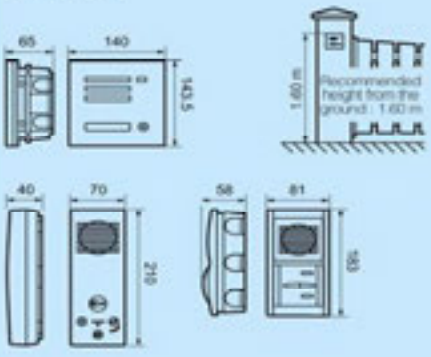
For example : between power supply and inside terminal, use a 2 pairs cables in which only 1 wire is connected

Selection chart

For cover plates and frames for the Cat.No 409 01 kit inside terminal

Finish	Loudspeaker Module	Microphone module	Frames (see p. 254)
Opalis	856 94	856 09	850 01
Silex	857 94	857 09	850 ..
Beluga	858 94	858 09	851 ..
Xelio	859 94	859 09	852 .. 853 ..

Dimensions

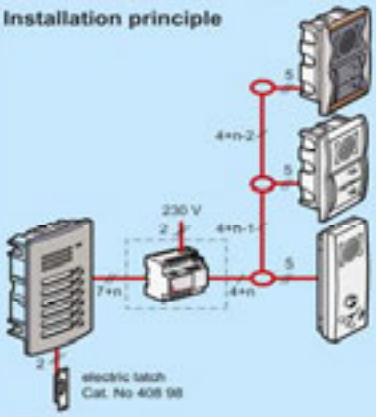


intercom door entry phones
for apartement blocks
up to 10 apartements

Pack	Cat.Nos	
		• Simple connection using 2 pairs cables • Conversation secrecy • Calls the resident via the pushbutton on the outside terminal • Incoming call indicated by a chime (adjustable volume) in the inside terminal • Full duplex conversation • Up to 2 more inside terminals Cat.Nos 844 35 or 409 28 can be added in parallel
		Outside terminals • Stainless steel front panel • Call via illuminated pushbutton • Supplied with flush-mounting box and 230 V / 12 V power supply Six modules of 17.5 mm to which inside terminals 844 35 or 409 28 can be added
1	409 11	Set of 2 pushbuttons
1	409 14	Set of 6 pushbuttons
1	409 17	Set of 10 pushbuttons
		Inside terminals
1	409 28	Surface-mounting hands-free inside terminal with door release Pick up the line by pressing PB End conversation by pressing PB or automatic end after one minute
1	844 35	Dual-mechanism Sagane hands-free inside terminal with loudspeaker and microphone and pick up PB to be completed with Sagane plate and cover plate depending on chosen finish and corresponding flush-mounting box (see table opposite) Chime switch-off + switch-off indication possible by adding Sagane mechanism Cat.No 840 12 + bulb Cat.No 849 23
		Accessories for audio kits
1	408 98	Retainer latch for left or right-opening door 12 V AC or DC - 6 W - 158 x 26 x 32 mm Any latch above 9 W or any other device will be relayed via the control interface Cat.No 041 73
1	041 73	Control interface for low current devices (bell,...)
1	041 75	Control interface with time delay for 230 V lighting

intercom door entry phones
for apartment blocks
up to 10 apartments

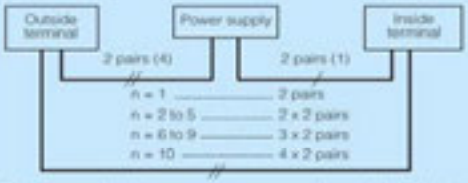
Installation principle



Connection
Cable cross-section in relation to the distance between the power supply and internal station and external station

Cable Min. x-section	Max. distance external station - internal station
Ø 6/10	50 m
Ø 0,82 (9/10)	100 m
1,5²	300 m

Type of cable : number of pairs (number of connected wires)
n = number of flats

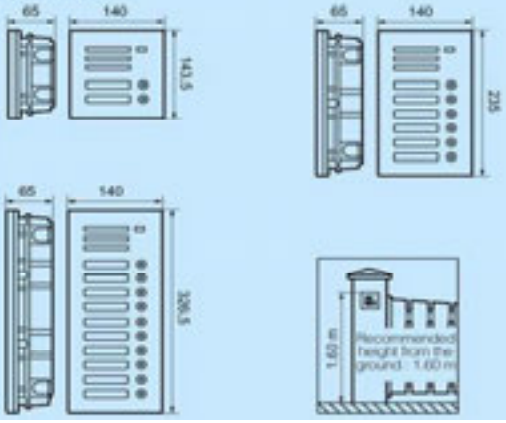


For example : between power supply and inside terminals, use a 2 pairs cable in witch only 1 wire is connected

Sagane cover plates for use with 844 35
(for use in conjunction with the 2-gang horizontal or vertical plate of your choice)

	Loudspeaker module	Microphone PB module	Sagane Frames (p. 340)
Opalis	856 94	856 09	850 01
Silex	857 94	857 09	850 ..
Beluga	858 94	858 09	851 ..
Xelio	859 94	859 09	852 .. 853 ..

Dimensions



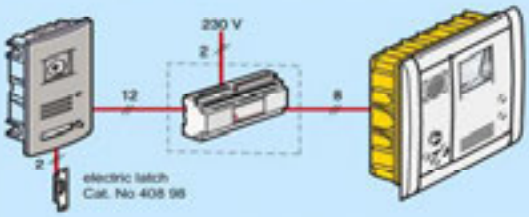
video door entry phone
for individual houses

409 02

Pack	Cat.Nos	Video door entry kit - Full duplex conversation
		Simple connection using 4 twisted pairs cable (no coaxial cable) • Calls the resident via the pushbutton on the outside terminal • Illuminated label-holder • Incoming call indicated by a chime (adjustable volume) in the inside terminal, and the visitor appears on the video screen immediately • Pick up the line by pressing PB End conversation by pressing PB or automatic end after one minute Door release controlled by a pushbutton • Camera can be switched on by a pushbutton • Up to 2 more inside audio terminals Cat.No 844 35 (p. 440) or 409 28 can be added in parallel • Up to 2 more inside video terminals Cat.No 409 29 can be added using video distribution block Cat.No 041 72 When the outside terminal calls, all station chimes sound and the monitor on the main inside video terminal comes on Simply pressing the pick up PB on a secondary terminal transfers the video link
		Video door entry kit
1	409 02	Composition • 1 surface-mounting hands-free inside terminal can be flush-mounted - with flat screen 5.6 x 8 cm (4"), chime and door release, brightness and contrast controls • 1 230 V / 12 V and 24 V power supply Ten modules of 17.5 mm for mounting in the consumer unit or distribution board • 1 outside terminal (stainless steel front panel) with illuminated label-holder, microphone, loudspeaker, infrared camera (orientation set at time of installation ± 20° horizontal, ± 20° vertical) and pushbutton, supplied with flush-mounting box
		Accessories for video kits
1	408 98	Retainer latch for left or right-opening door 12 V AC or DC - 6 W - 158 x 26 x 32 mm Any latch above 9 W or any other device will be relayed via the control interface Cat.No 041 73
1	041 73	Control interface for low current devices (bell,...)
1	041 75	Control interface with time delay for 230 V lighting
1	041 72	Video distribution block for connecting up to 2 more internal video stations in parallel

video door entry phone
for individual houses

Installation principle

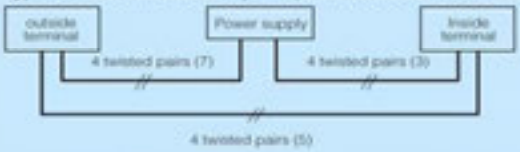


Connection

Cable cross-section in relation to the distance between the power supply and inside and outside terminal

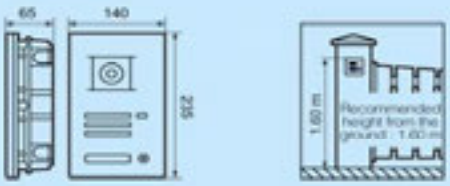
Cable Min. x-section	Max. distance external station - internal station
Ø 6/10	50 m
Ø 0.82 (9/10)	110 m
1,57	300 m

Type of cable : number of pairs (number of connected wires)

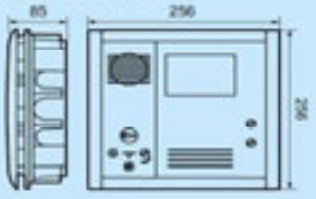


For example : between outside terminal and power supply, use a 4 twisted pairs cable in which 7 wires will be connected

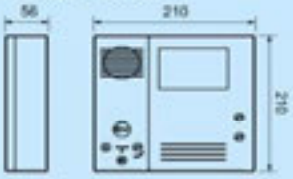
Dimensions



Flush-mounted



Surface-mounted

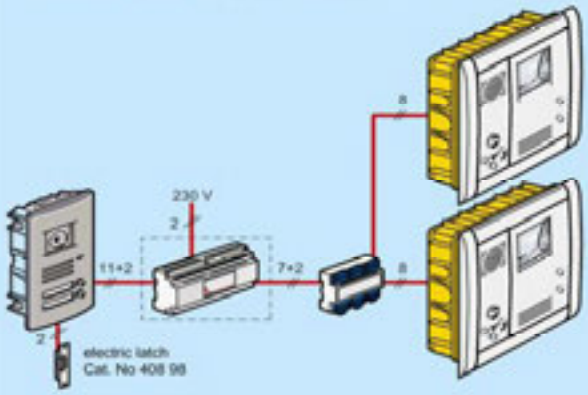


video door entry phones
for apartment blocks
up to 6 apartments

Pack.	Cat.Nos	
		• Simple wiring using 4 twisted pairs cables without coaxial cable • Conversation secret • Calls the resident via the pushbutton on the outside terminal • Incoming call indicated by a chime (adjustable volume) in the inside terminal, and the visitor appears on the video screen immediately • Full duplex conversation • Pick up the line by pressing PB End conversation by pressing PB or automatic end after one minute • Door release controlled by a pushbutton • Camera can be switched on by a pushbutton • Inside audio terminals Cat.Nos 844 35 or 409 28 can be added in parallel • Inside video terminals Cat.No 409 29 can be added using video distribution block Cat.No 041 72 Inside video terminal is called, all station chimes sound and the monitor on the main inside terminal comes on Simply pressing the pick up PB on a secondary station transfers the video link
		Outside terminal sets • Stainless steel front panel • Call via illuminated pushbutton • Camera with infrared light (orientation set at time of installation ± 20° horizontal, ± 20° vertical) which enables the visitor to be seen even in darkness • Supplied with flush-mounting box and 230 V/12 V or 24 V power supply Ten modules of 17.5 mm and 1 to 2 video distribution blocks • Completed with inside terminal Cat.No 409 29
1	409 22	Set of 2 pushbuttons
1	409 23	Set of 6 pushbuttons
		Inside terminals
1	409 29	• Flush-mounting hands-free inside terminal with flat screen 5.6 x 8 cm (4"), chime and door release, brightness and contrast controls Pick up the line by pressing PB End conversation by pressing PB or automatic end after one minute
		Accessories for video kits
1	408 98	Retainer latch
1	041 73	Control interface for low current devices (bell,...)
1	041 75	Control interface with time delay for 230 V lighting
1	041 72	Video distribution block for connecting up to 2 more internal video stations in parallel

video door entry phones
for apartment blocks
up to 6 apartments

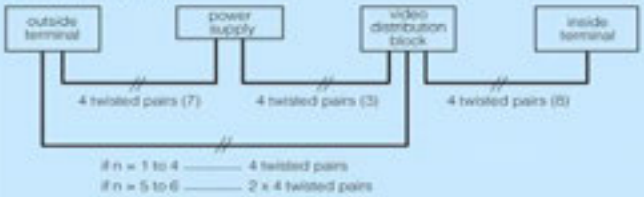
Installation principle (eg : 2-way)



Connection
Cable cross-section in relation to the distance between the power supply and inside and outside terminal

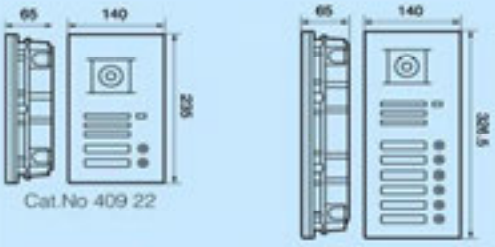
Cable Min. x-section	Max. distance external station - internal station
Ø 6/10	50 m
Ø 0.82 (9/10)	100 m
1,5²	300 m

Type of cable : number of pairs (number of connected wires)
n = number of flats



For example : between power supply and outside terminal, use a 4 twisted pairs cable in which only 7 wires are connected

Dimensions



two-wire video door entry system kit

Pack	Cat.Nos	
		Installation with only 2 non-polarized wires
		Composition
		• Extra-slim street panel
		• B/W monitor
		• Power supply
		• Door release
1	3759 70	Two-wire black and white video kit: 1 flat
		Additional handset with electronic call tone
		• The system accepts up to 1 additional handset on the same push button
10	3742 00	White
10	3742 01	Blue
10	3742 02	Grey

Accessories

1	3758 10	Shield for 1 extra-slim street panel

Anthracite front covers and shields

32-memory digital video door entry system

up to 32 memories

Pack	Cat.Nos	
		Composition
		• Extra-slim street panel
		• B/W monitor with 32 memories
		• Power supply
		• Door release
1	3759 80	**32-memory black and white video door entry system kit:** 1 flat
		Additional handset and monitor
		• With the same push button, the system allows the installation of 1 additional monitor by adding 1 E-35 power supply 1 handset
1	3744 20	M 72 monitor
1	3744 42	B 72 wall stand
1	3750 05	E-35 power supply
1	3742 20	Handset (electronic call tone)

Accessories

1	3758 10	Shield for 1 extra-slim street panel

Anthracite front covers and shields

colour image digital video door entry system kit

Pack	Cat.Nos	
		Composition
		• Extra-slim street panel
		• Digital colour monitor
		• Power supply
		• Door release
		Colour image video kit:
1	3759 17	1 flat
1	3759 27	2 flats
		Additional handset and monitor
		• With the same push button, the system allows the installation of and 1 additional monitor by adding 1 E-35 power supply 1 handset
1	3744 30	M-72C colour monitor
1	3744 42	B-72 wall stand
1	3750 05	Power supply
1	3742 20	Handset (electronic call tone)

Accessories

1	3758 10	Shield for 1 extra-slim street panel

Anthracite front covers and shields

See the complete brochure on audio and video door entry systems

INTERCOM & VIDEO DOOR ENTRY PHONES

digital video door entry system
with extra-slim street panels

Pack.	Cat.Nos	Black and white digital video kits with extra-slim street panels
		Composition
		• Extra-slim street panel
		· Digital monitor B/W
		· Digital video control interface
		· Door release
		Black and white image digital video kit for :
1	3759 10	1 flat
1	3759 20	2 flats
		From 3 to 18 flats
		• Extra-slim street panel
1	3759 38	for 3 flats
1	3759 48	for 4 flats
1	3759 68	for 6 flats
		Digital monitor
1	3744 20	M-72 B/W digital monitor*
		Base for installation of the monitor
1	3744 42	B-72 wall stand*
1	3744 43	B-72 base for table-top installation*
1	3750 06	**Digital video control interface**
1	3750 05	**Power supply**
1	3749 99	**N 30 Ohm door release**
		Additional street panel for :
1	3758 30	3 push-buttons
1	3758 40	4 push-buttons
1	3758 60	6 push-buttons
1	3758 70	6 push-buttons (in 2 columns)
1	3758 80	8 push-buttons (in 2 columns)
1	3758 90	10 push-buttons (in 2 columns)
1	3758 00	12 push-buttons (in 2 columns)
		Video distribution
1	3744 72	Distribution unit per twisted pair (4 outputs)

* To be ordered according to the number of flats to be equipped

digital video door entry system
with extra-slim street panels

Pack.	Cat.Nos	Options
		Additional monitor and handset
		• With the same push button, the system allows the installation of: 1 monitor by adding 1 power supply E35 (Cat. No 3750 005) and 1 handset
		Monitor
1	3744 20	M-72 B/W digital monitor
1	3744 42	B-72 Wall stand
1	3744 43	B-72 S base for table-top installation
		Handset
1	3742 20	White (electronic call tone)
1	3742 21	Blue (electronic call tone) + warden call
1	3742 22	Grey (electronic call tone) + warden call
		For a second access door
		• Add: the entrance panel, one digital video control interface and one power supply
		Extra-slim street panel for B/W video kit
1	3759 18	1 flat
1	3759 28	2 flats
1	3759 38	3 flats
1	3759 48	4 flats
1	3759 68	6 flats
1	3750 06	**Digital video control interface**
1	3750 05	**Power supply-E35**
1	3749 99	**N 30-ohms door release**
		Accessories
		Anthracite front cover for video street panel :
1	3759 11	1 flat
1	3759 21	2 flats
		Anthracite front cover for additional street panel :
1	3758 31	3/6 flats
1	3758 41	4/8 flats
1	3758 51	10 flats
1	3758 61	6/12 flats
		Shield for extra-slim panel
1	3758 10	Grey-coloured
1	3758 11	Anthracite-coloured
		Base for table-top installation of the monitor
1	3744 43	B-72 S

audio door entry system kits
with extra-slim street panels

Pack	Cat.Nos	Audio door entry system kits and extra-slim street panels
		Composition • Extra-slim street panel • Handsets (electronic call tone) • Audio control interface • Door release not included in the kit
		Audio door entry system kit for:
1	3757 10	1 flat
1	3757 20	2 flats
1	3757 30	3 flats
1	3757 40	4 flats
1	3757 60	6 flats
1	3749 00	**12V door release**
		Increase in the number of flats (see table p. 420) • Add to the chosen kit: the additional street panel with the desired number of push-buttons and the corresponding number of extra telephones
		Additional street panel with:
1	3758 30	3 push-buttons
1	3758 40	4 push-buttons
1	3758 60	6 push-buttons
1	3758 70	6 push-buttons (in 2 columns)
1	3758 80	8 push-buttons (in 2 columns)
1	3758 90	10 push-buttons (in 2 columns)
1	3758 00	12 push-buttons (in 2 columns)

audio door entry system kits
with extra-slim street panels

Pack	Cat.Nos	Options
		Additional handset with electronic call tone • The system accepts up to 4 handsets in parallel on the same call button
10	3742 00	White
10	3742 01	Blue
10	3742 02	Grey
		For a second access door • Add: the corresponding street panel an audio control interface an audio selector
		Extra-slim street panel for audio kit:
1	3757 19	1 flat
1	3757 29	2 flats
1	3757 39	3 flats
1	3757 49	4 flats
1	3757 69	6 flats
1	3750 00	**Audio control interface**
1	3750 03	**Audio selector**

Accessories

		Anthracite front cover for audio kit street panel:
1	3757 11	1 flat
1	3757 21	2/4 flats
1	3757 31	3/6 flats
		Anthracite front cover for additional street panel:
1	3758 31	3/6 push buttons
1	3758 41	4/8 push buttons
1	3758 51	10 push buttons
1	3758 61	6/12 push buttons
		Shield for extra slim street panel :
1	3758 10	Shield for 1 extra-slim street panel
1	3758 11	Anthracite-coloured shield for 1 extra-slim streetpanel

10. EMERGENCY LIGHTING LUMINAIRES

U21
self-contained emergency lighting luminaires

617 00

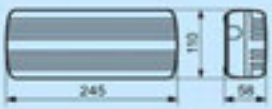
617 02 + 617 20

Pack	Cat.Nos	Incandescent and 6 W fluorescent non-maintained luminaires for indoor use
		Certified to IEC 598-2-22 and EN 60598-2-22 standards, UNE 20 062-93 (Inc.), UNE 20 392-93 (fluo).
		Non-maintained emergency lighting luminaires with 2 high luminosity LEDS (average life time = 100.000 h) to ensure 1 lux along the centre line of an escape route (except 617 11 : one red LED as charge monitor)
		IP 42 - Class II
		Suitable for mounting on inflammable surfaces
		Recharge time : 24 h
		Sealed rechargeable Ni-Cd batteries, high temperature type
		Self-extinguishing material
		When the two signalling LEDS are switched off simultaneously, it indicates :
		• lack of network supply
		• the batteries are not charging
		5 cable entries
		Rest mode by remote control unit (Cat.No 039 01)
		Power supply : 230 V +/-10% - 50/60 Hz
		Incandescent
1	617 00	1 h - 35 lm
		6 W fluorescent
1	617 02	1 h - 100 lm
1	617 07	1 h - 315 lm
1	617 11	3 h - 120 lm
		Power supply 127/230 V +/-10% - 50/60 Hz
		6 W fluorescent
1	617 18	3 h - 120 lm (for 1 h dual voltage, consult us)
		Accessory
10	617 20	Flush mounting frame
		Labels

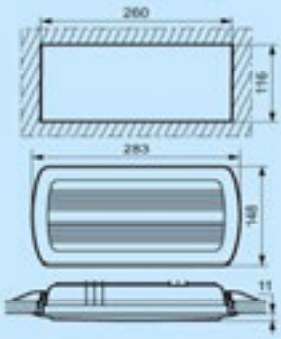
U21
self-contained emergency lighting luminaires

Dimensions (in mm)

Surface mounting



Recessed mounting



Lamps and batteries

Cat.Nos	Emergency lamps	Batteries
617 00	618 77 (x 2)	618 83
617 02	607 51	618 92
617 07	607 51	618 86
617 11/18	607 51	618 85

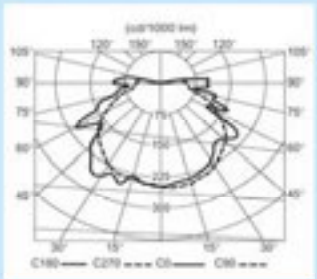
Optical data

Luminaire spacing, in metres, to provide 1 lux minimum illuminance

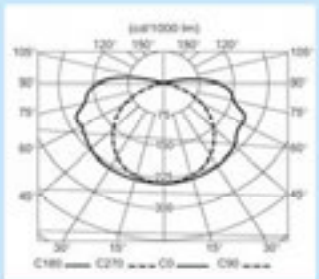
Ceiling mounting height (m)	Lighting level directly under luminaire (lux)	Axial to wall	Axial spacing	Transverse spacing	Transverse to wall
617 00					
2.5	1.3	1.2	4.4	4.4	1.2
3	0.9	/	4	4	/
617 02					
2.5	4.9	2.5	6.6	8.1	2.9
3	3.6	2.4	6.8	8.2	2.8
4	2.0	1.9	6.8	8.0	2.2
5	1.2	0.5	6.2	7.2	0.5
617 07					
2.5	12.2	3.6	9.0	12.2	4.7
3	8.4	3.8	10.0	12.9	4.8
4	4.7	4.3	11.6	14.4	5.3
5	2.3	4.3	12.1	14.8	5.1
617 11/18					
2.5	4.4	2.5	6.8	8.5	3.0
3	3.1	2.5	7.6	8.4	2.9
4	1.7	2.1	7.0	8.4	2.5
5	1.1	1.1	6.7	7.8	1.4

Distribution of luminous intensity in cd/1000 lm

Cat.No 617 00



Cat.Nos 617 02/07/11/18



NF range
self-contained emergency lighting luminaires

Pack	Cat.Nos	Incandescent and 8 W fluorescent non-maintained and permanent luminaires for indoor use
		Certified to IEC 598-2-22 and EN 60598-2-22 standards, NF-C 71-820 and NF-C 71-800 (Inc.), NF-C 71-801 (fluo). Power supply : 230 V +/- 10 % - 50/60 Hz IP 43 Class II Plug-in base plate to ease installation and maintenance Recharge time : 24 hours Sealed rechargeable Ni-Cd batteries, high temperature type Charge indicator : incandescent bulb (lumen output > 3 lm) Duration : 1 hour Rest mode by remote control unit (Cat.No 039 01)
		Incandescent
1/6	608 25	45 lm
		8 W fluorescent
1/4	608 65	Non-maintained - 360 lm
1/4	608 66	Permanent - 360 lm

Accessories

		Flush-mounting frame
1	607 90	For 608 65/66
1	607 91	For 608 25
		Grid
1	609 07	For 608 25
1	609 05	For 608 65/66

Lamps and batteries

Cat.Nos	Emergency lamps	Charge indicators	Batteries
608 25	609 31 (x 2)	609 28	610 17
608 65	609 41	609 28	610 18
608 66	609 41	-	610 18

Labels

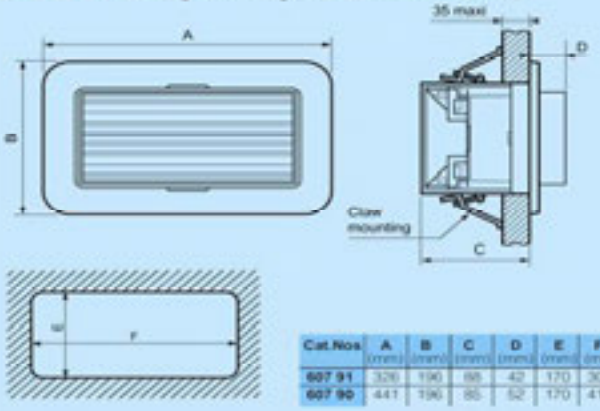
NF range
self-contained emergency lighting luminaires

Dimensions (in mm)

Surface mounting

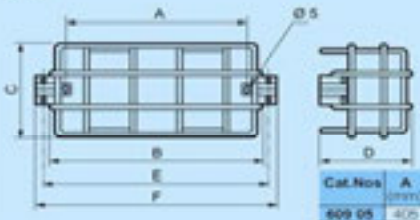
Cat.Nos	A (mm)	B (mm)	C (mm)
608 25	240	110	60
608 65/66	361	116	105

Wall or false ceiling mounting (with Cat.Nos 607 90/91)



Cat.Nos	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
607 91	326	190	65	42	170	300
607 90	441	196	65	52	170	410

Grid



Cat.Nos	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
609 05	405	442	190	140	465	490
609 07	315	352	176	130	374	400

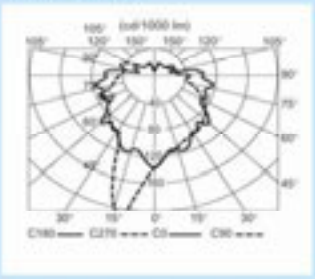
Optical data

Luminaire spacing, in metres, to provide 1 lux minimum illuminance

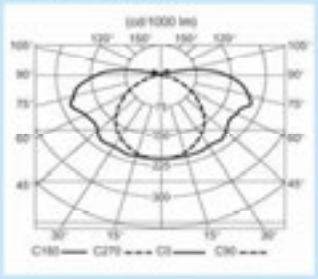
Ceiling mounting height (m)	Lighting level directly under luminaire (lux)	Axial to wall D (m)	Axial spacing D (m)	Transverse spacing D (m)	Transverse to wall D (m)
608 25					
2.5	1.0	1	3.8	3.8	1
3	1.3	0.5	3.2	3.2	0.5
3.5	0.9	-	2.6	2.6	-
608 65/66					
2.5	12.3	3.7	9	13.4	5
3	8.5	3.9	9.9	13.9	5.1
4	4.8	4.2	11.0	14.7	5.2
5	3.0	4.2	11.8	14.7	5.0

Distribution of luminous intensity in cd/1000 lm

Cat.No 608 25



Cat.Nos 608 65/66



958
self-contained emergency lighting luminaires

6431 00

6431 04 + 6608 20 + 6608 56

Pack	Cat.Nos	**8 W fluorescent non-maintained, maintained and combined luminaires**
		Certified to IEC 598-2-22 and EN 60598-2-22 standards, Ⓢ
		Power supply : 230 V +/- 10% - 50/60 Hz
		IP 40 - Class II ⊠
		Plug-in base plate to ease installation and maintenance
		Function test : with a push-button
		Recharge time : 24 hours
		Charge indicator : green LED
		958 - 1 h duration - 140 lm
		Sealed rechargeable Ni-Cd batteries, high temperature type : 3.6 V - 1.5 Ah (Cat.No 6608 18)
1	6431 00	Non-maintained (958 NM1)
1	6431 01	Maintained (958 M1)
1	6431 02	Sustained / combined (958 S1)
		958 - 3 h duration - 140 lm
		Sealed rechargeable Ni-Cd batteries, high temperature type : 3.6 V - 4 Ah (Cat.No 6608 80)
1	6431 03	Non-maintained (958 NM3)
1	6431 04	Maintained (958 M3)
1	6431 05	Sustained / combined (958 S3)
		958 E - 3 h duration - 80 lm
		Sealed rechargeable Ni-Cd batteries, high temperature type : 2.4 V - 4 Ah (Cat.No 6608 86)
1	6431 06	Non-maintained (958 E NM3)
1	6431 07	Maintained (958 E M3)
1	6431 08	Sustained / combined (958 E S3)

Accessories

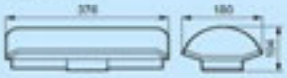
12	6608 20	Doubled-sided diffusor
1	6608 29	Strap for double sided mounting
1	6608 30	Strap for flag mounting
1	609 06	Grid

Labels

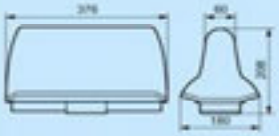
958
self-contained emergency lighting luminaires

Dimensions (in mm)

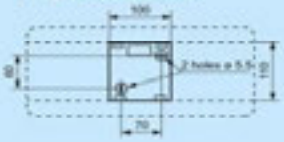
Standard



Double sided

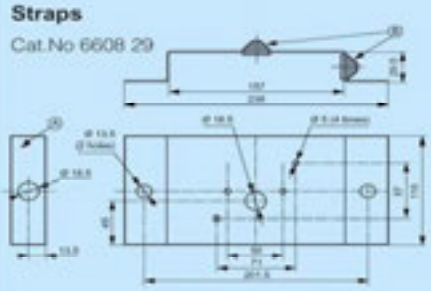


Plug in base plate

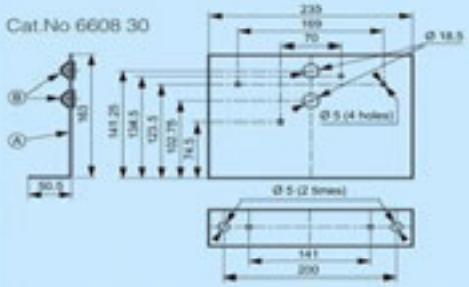


Straps

Cat.No 6608 29



Cat.No 6608 30



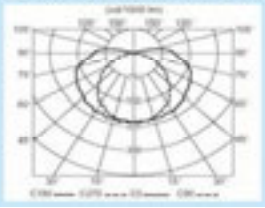
Optical data

Luminaire spacing, in metres, to provide 1 lux minimum illuminance

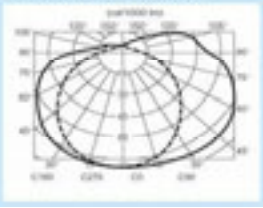
Ceiling mounting height (m)	Lighting level directly under luminaire (lux)	Axial to wall D (m)	Axial spacing D (m)	Transverse spacing D (m)	Transverse to wall D (m)
6431 00/01/02/03/04/05					
2.5	5.1	2.8	7.3	9.0	3.5
3	3.5	2.8	7.2	9.4	3.5
4	2.0	2.6	8.0	9.5	3.2
5	1.2	1.8	7.8	9.2	2.3
6431 06/07/08					
2.5	2.9	2.1	5.9	7.2	2.6
3	2	2	6	7.2	2.4
4	1.1	1	5.8	6.7	1.3

Distribution of luminous intensity in cd/1000 lm

Cat.Nos 6431 00/01/03/04/06/07



Cat.Nos 6431 02/05/08



G5
self-contained emergency lighting luminaires

617 41

617 37 • 617 82 • 6608 65

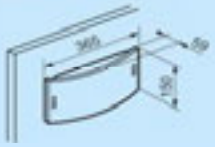
617 46 • 617 91 • 6608 67

Pack	Cat.Nos	8 and 11 W non-maintained and combined luminaires
		Extra slim luminaires to match the most aesthetics environments Certified to IEC 598-2-22 and EN 60598-2-22 standards. Power supply : 230 V +/- 10% - 50/60 Hz IP 42 Class II Suitable for mounting on inflammable surfaces Recharge time : 24 hours Charge monitor : green Led Sealed rechargeable Ni-Cd batteries, high temperature type Screw terminals with high capacity : 4 mm² for the mains and 2.5 mm² for the remote control 1Ø20 cable entry at the top and 1 rectangular one at the back side Rest mode by remote control unit (Cat.No 039 01)
		8 W fluorescent non-maintained
1	617 41	1 h - 210 lm
1	617 42	3 h - 160 lm
		8 W fluorescent combined
1	617 36	1 h - 200 lm
1	617 37	3 h - 140 lm
		11 W fluorescent non-maintained
1	617 44	1 h - 515 lm
		8 W fluorescent combined for suspension or flag mounting
1	617 46	1 h - 235 lm
1	617 47	3 h - 145 lm
		Suspension kit
1	617 91	To install the luminaires Cat.Nos 617 46/47 at 40 cm from the ceiling Chromed colour and metallic accessory
		Flag kit
1	617 92	To install the luminaires Cat.Nos 617 46/47 in flag mounting position Chromed colour and metallic accessory
		Accessories
		Double sided diffuser
1	617 82	To replace the one delivered with the luminaire
		Semi flush-mounting frame
		To install the luminaire in wall or false ceiling, depth : 52 mm
1	617 83	White
1	617 84	Steel
1	617 85	Aluminium
1	617 86	Sand
		Flush-mounting frame
		To install the luminaire in wall or false ceiling, depth : 64 mm
1	617 87	White
1	617 88	Steel
1	617 89	Aluminium
1	617 90	Sand
		Labels

self-contained emergency lighting luminaires

Dimensions (in mm)

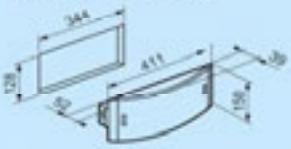
Surface mounting



Flush-mounting

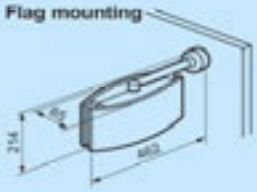
Semi flush-mounting

With colour frame semi flush-mounting



Suspension mounting

Flag mounting



Double-sided mounting

Lamps and batteries

Cat.Nos	Emergency lamps (p. 451)	Batteries (p. 451)
617 36	609 41	618 84
617 37	609 41	617 99
617 41	609 41	618 84
617 42	609 41	617 99
617 43	607 53	617 99
617 44	607 53	617 99
617 46	609 41	618 84
617 47	609 41	617 99

5108/18/36
self-contained emergency lighting luminaires

6433 00 + 6432 54

Pack	Cat.Nos	8,18 and 36 W fluorescent maintained exit sign luminaires
		Certified to IEC 598-2-22 and EN 60598-2-22 standards, (S) 1 and 3 hours duration maintained luminaires for escape route lighting, single or double sided use IP 20 Class I Recharge time : 24 hours Sealed rechargeable Ni-Cd batteries, high temperature type
		8 W fluorescent
		5108 M1 - 1 h duration
1	6432 50	Power supply : 230 V +/- 10 % - 50/60 Hz Lumen output : 70 lm (single sided), 100 lm (double sided) Charge monitor : green LED
		5108 M3 - 3 h duration
1	6432 52	Power supply : 240 V +/- 10 % - 50/60 Hz Lumen output : 30 lm (single sided), 50 lm (double sided) Charge monitor : red LED
		18 W fluorescent
1	6433 00	5118 M1 - 1 h duration Power supply : 230 V +/- 10 % - 50/60 Hz Lumen output : 120 lm (single sided), 200 lm (double sided) Charge monitor : green LED
		36 W fluorescent
1	6433 10	5136 M1 - 1 h duration Power supply : 230 V +/- 10 % - 50/60 Hz Lumen output : 170 lm (single sided), 240 lm (double sided) Charge monitor : green LED

5108/18/36
self-contained emergency lighting luminaires
(continued)

Pack	Cat.Nos	Accessories
		Backplate
10	6432 51	For 6432 52
1	6433 01	For 6433 00
1	6433 11	For 6433 10
		Pictogram plates For 6432 51, dim. : 417 x 167 mm
5	6432 54	
5	6432 55	
5	6432 56	
		For 6433 00, dim. : 638 x 197 mm
1	6433 50	
1	6433 51	
1	6433 52	
		For 6433 10, dim. : 1232 x 297 mm
1	6433 60	
1	6433 61	
1	6433 62	
		For 8 W only
1	6608 31	Strap for flag mounting for 6435 52
1	609 06	Grid for 6432 52
		Suspensions (white color)
1	6433 54	Height 300 mm
1	6433 55	Height 500 mm
1	6433 56	Height 700 mm

Arcor™
self-contained emergency lighting luminaires

607 60 • 64 • 68• 80

607 62

607 65

607 66

Pack	Cat.Nos	**6W fluorescent non-maintained and permanent edge light luminaires**
		Certified to IEC 598-2-22 and EN 60598-2-22 standards and NF C 71-801 Statutory tests performed fully automatically by clock and microprocessor integrated in each luminaire, results of the tests indicated by LEDS Power supply : 230 V +/- 10 % IP 20 - Class II With sealed rechargeable Ni-Cd battery pack easily changed from the front panel with no access to live parts (Cat.No 610 12 x 3) Charge indicator for 607 61/63 : incandescent bulb lumen output > 3 lm, Cat.No 609 28 Duration : 1 hour Rest mode by remote control unit (Cat.No 039 01)
		6 W mechanism
1	607 60	Permanent - 60 lm
1	607 61	Non-maintained - 60 lm
1	607 62	Permanent - 200 lm
1	607 63	Non-maintained - 200 lm
		Housing Including fixing batten and skirt
1	607 68	White color
1	607 69	Black color

Installation accessories

		Bracket for wall or projecting mounting
1	607 64	White color
1	607 65	Black color
		Flush-mounting frame
1	607 66	For fitting in false ceilings
		Suspension accessory
1	607 67	With steel support and suspension wires
		Double-sided pictogram plates for 607 60/61 mechanisms Scratch-resistant polycarbonate plate symbols conform to 9258 EEC directive and ISO 3864
1	607 80	Running man to right or left
1	607 81	Running man to down
1	607 87	No smoking
1	607 88	Armed tap fire
1	607 89	Fire-extinguisher

Arcor™
self-contained emergency lighting luminaires

Optical data

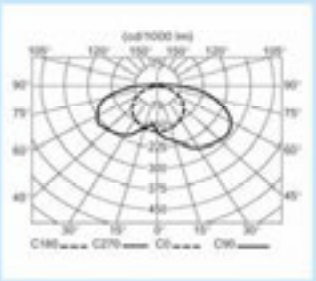
Luminaire spacing, in metres, to provide 1 lux minimum illuminance

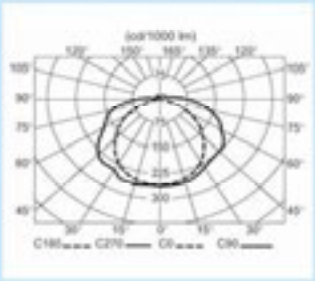
Ceiling mounting height (m)	Lighting level directly under luminaire (lux)	Axial to wall D (m)	Axial spacing D (m)	Transverse spacing D (m)	Transverse to wall D (m)
607 60/61					
2.5	1.84	1.5	5	7.2	2.4
3	1.28	1	4.7	7.2	2.1
607 62/63					
2.5	8.3	3.2	8	10	3.9
3	5.8	3.3	8.6	10.6	4
4	3.2	3.4	9.4	11.3	3.9
5	2.1	3.2	9.7	11.5	3.5

Distribution of luminous intensity in cd/1000 lm

Cat.Nos 607 60/61

Cat.Nos 607 62/63





B 65/NT 65
self-contained emergency lighting luminaires

B 65

NT 65

6, 8 and 11 W fluorescent non-maintained weatherproof luminaires

Certified to IEC 598-2-22 and EN 60598-2-22 standards and UNE 20 392-93
Power supply = 230 V +/-10% - 50/60 Hz
Non-maintained emergency lighting luminaires with 2 high luminosity LEDS to ensure 1 lux along the centre line of an escape route
Class II
Suitable for mounting on inflammable surfaces
Recharge time : 24 h
Sealed rechargeable Ni-Cd batteries, high temperature type
When the two signalling LEDS are switched off simultaneously, it indicates :
- lack of network supply
- the batteries are not charging

Duration : 1 h
Rest mode by remote control unit (Cat.No 039 01)

Pack	Cat.Nos	**B 65 range - IP 65**
		Class II 3 cables entries (2 lateral, 1 top) Supplied with a cable-gland and 2 stopping plugs
		6 W fluorescent
1	615 61	90 lm
1	615 62	165 lm
1	615 63	315 lm
		11 W fluorescent
1	615 64	490 lm

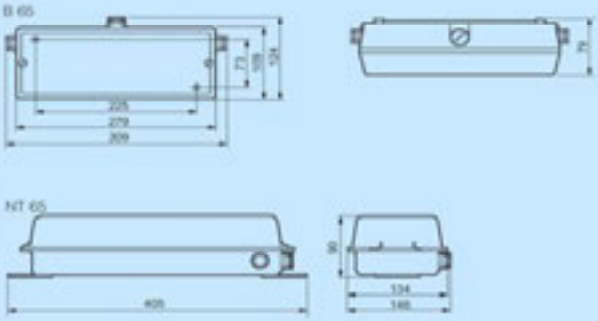
		NT 65
		Supplied with a cable-gland and 1 stopping plug Class I 2 cable entries
		8 W fluorescent
1	618 30	100 lm
1	618 31	240 lm
1	618 32	450 lm
		11 W fluorescent
1	618 33	750 lm

Lamps and batteries

Cat.Nos	Emergency lamps	Batteries
615 61	607 51	618 92
615 62	607 51	618 83
615 63	607 51	617 95
615 64	607 53	617 96
618 30	609 41	618 92
618 31	609 41	618 84
618 32	609 41	618 86
618 33	607 53	618 89

self-contained emergency lighting luminaires

Dimensions (in mm)



Optical data

Luminaire spacing, in metres, to provide 1 lux minimum illuminance

Ceiling mounting height (m)	Lighting level directly under luminaire (lux)	Axial to wall D (m)	Axial spacing D (m)	Transverse spacing D (m)	Transverse to wall D (m)
615 61 (90 lm)					
2.5	4.8	2.3	6.3	6.7	2.5
3	3.4	2.3	6.5	7	2.4
4	1.9	2	6.5	6.9	2
5	1.2	1.2	6.1	6.3	1.2
615 62 (165 lm)					
2.5	5.8	2.8	7.4	8.6	3.3
3	4.0	2.9	7.7	9	3.4
4	2.3	2.7	8.1	9.6	3.3
5	1.4	2.2	8.1	9.6	2.6
615 63 (315 lm)					
2.5	12.5	3.8	9.3	10.7	4.2
3	8.7	4	10.1	11.4	4.4
4	4.9	4.2	11.1	12.4	4.8
5	3.1	4.2	11.7	13.2	4.8
6	2.2	4	12.1	13.7	4.7
615 64 (490 lm)					
2.5	19.5	4.3	10.5	12.5	4.9
3	13.5	4.6	11.5	13.2	5.2
4	7.6	5	12.8	14.3	5.7
5	4.9	5.3	13.9	15.3	6
6	3.4	5.3	14.5	16.3	6
618 30 (100 lm)					
2.5	3.4	2.21	6.14	7.52	2.6
3	2.4	2.13	6.26	7.5	2.47
4	1.3	1.54	6.14	7.16	1.79
618 31 (240 lm)					
2.5	8.2	3.32	8.60	10.64	4.00
3	5.7	3.40	8.98	11.04	4.08
4	3.2	3.4	9.54	11.46	3.98
5	2.1	3.16	9.72	11.44	3.64
6	1.4	2.76	9.54	11.12	2.95
618 32 (450 lm)					
2.5	15.9	4.05	10.16	13.88	5.28
3	11.0	4.27	10.88	14.48	5.51
4	6.2	4.61	11.92	15.40	5.73
5	4.0	4.73	12.72	16.04	5.69
6	2.8	4.66	13.20	16.26	5.52
618 33 (750 lm)					
2.5	29.7	5.01	12.26	15.04	6.00
3	20.6	5.35	13.02	16.04	6.37
4	11.6	5.91	14.66	17.72	6.95
5	7.4	6.32	16.12	19.00	7.29
6	5.2	6.51	17.10	20.10	7.44

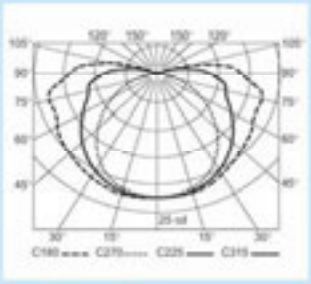
B 65/NT 65

self-contained emergency lighting luminaires

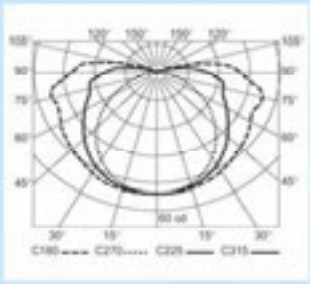
(continued)

Distribution of luminous intensity in cd/1000 lm

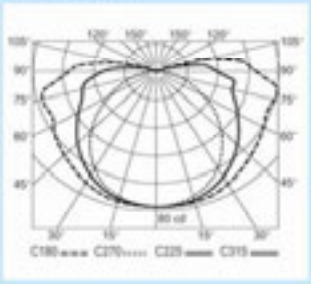
Cat. No 618 30



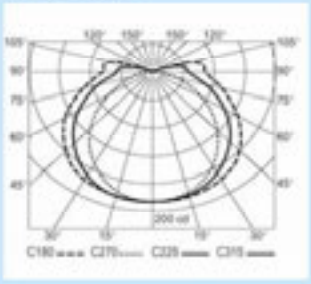
Cat. No 618 31



Cat. No 618 32



Cat. No 618 33

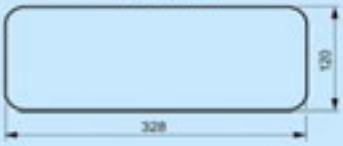


ELW

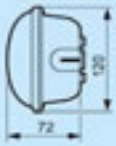
self-contained emergency lighting luminaires

Dimensions (in mm)

Front view



Side view



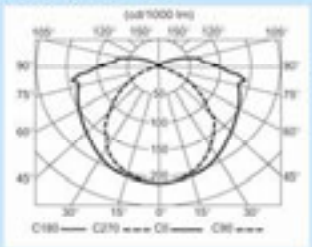
Optical data

Luminaire spacing, in metres, to provide 1 lux minimum illuminance

Ceiling mounting height (m)	Lighting level directly under luminaire (lux)	Axial to wall D (m)	Axial spacing D (m)	Transverse spacing D (m)	Transverse to wall D (m)
4004 13/14					
2.5	/	1.5	4.6	5.2	1.6
3	/	1.1	4.5	5.0	1.2
3.5	/	/	4.2	4.6	1
4	/	/	3.6	3.9	/

Distribution of luminous intensity in cd/1000 lm

Cat.Nos 4004 13/14



ELW

self-contained emergency lighting luminaires

4004 13

Pack — Cat.Nos

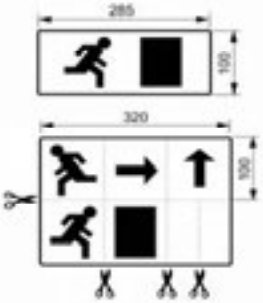
8 W fluorescent non-maintained and maintained weatherproof luminaires

Certified to IEC 598-2-22 and EN 60598-2-22 standards.
Power supply : 230 - 240 V +/- 10 % - 50/60 Hz
IP 65 - Class II
Rechargeable time: 24 hours
Sealed rechargeable Ni-Cd batteries high temperature type 2.4 V - 4 Ah
Lumen output: 60 lm - 3 hours duration
Polycarbonate prismaline diffuser with white polycarbonate base. Attractive slim profile design
Clip together construction for ease of installation
Rear Besa box mounting

Pack	Cat.Nos	
1	4004 13	Non-maintained
1	4004 14	Maintained

Labels

Pack	Cat.Nos	
10	640 27	Single pictogram
10	640 28	Multi-pictogram with possible cutting



Uravision
addressable emergency lighting system

6432 00

6432 01

Pack	Cat.Nos	8 W non-maintained and combined luminaires
		Certified to IEC 598-2-22 and EN 60598-2-22 standards.
		Power supply: 230 / 240 V + 6 % / - 10 %
		suitable for mounting on inflammable surfaces
		Duration: 1 hour
		Recharge time: 24 hours
		In-door luminaires
		IP 40 - Class II
		Plug-in base plate to ease installation and maintenance
		998 ADR - 170 lm
		Sealed rechargeable Ni-Cd batteries, high temperature type 4.8 V - 1.5 Ah (Cat.No 6608 83)
1	6432 00	Non-maintained (998 ADR NM1)
1	6432 01	Sustained / combined (998 ADR S1)
		9408 ADR - 320 lm
		Sealed rechargeable Ni-Cd batteries, high temperature type 3.6 V - 4 Ah (Cat.No 6608 80)
1	6432 02	Non-maintained (9408 ADR NM1)
1	6432 03	Sustained / combined (9408 ADR S1)

Accessories

12	6608 20	Double-sided diffusor
1	6608 29	Strap for double sided mounting
1	6608 30	Strap for flag mounting
1	609 06	Grid

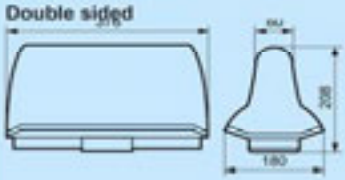
Labels

Uravision
addressable emergency lighting system

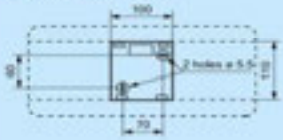
Dimensions (in mm)

Standard

Double sided



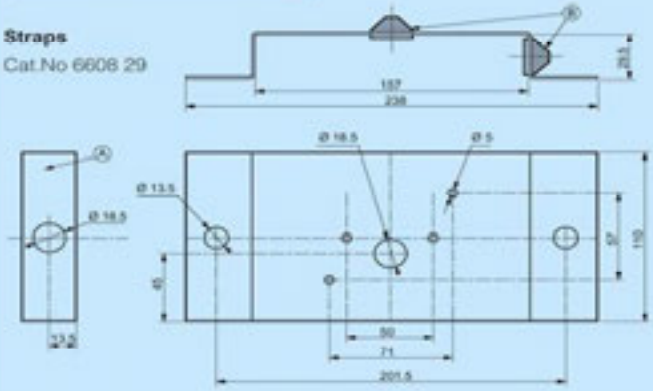
Plug in base plate



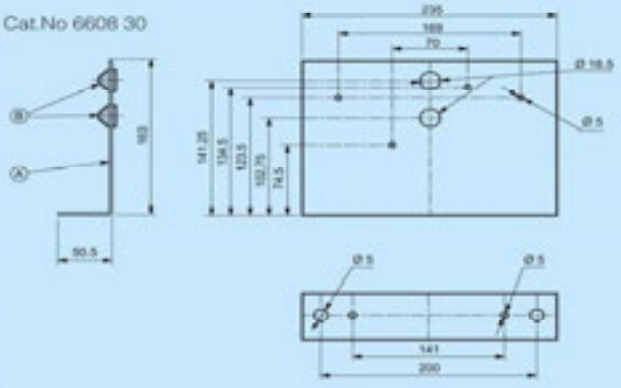
Grid Cat.No 609 06

Straps

Cat.No 6608 29



Cat.No 6608 30



Uravision
addressable emergency lighting system

6432 10

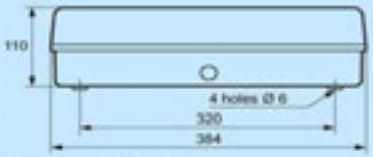
6432 13

Pack	Cat.Nos	Weatherproof luminaires
		IP 65 - Class II ⊠ 8 W non-maintained and combined luminaires Certified to IEC 598-2-22 and EN 60598-2-22 standards, Ⓢ Power supply: 230 / 240 V + 6 % / - 10 % ▽ Suitable for mounting on inflammable surfaces Duration: 1 hour Recharge time: 24 hours
		798 ADR - 170 lm Sealed rechargeable Ni-Cd batteries, high temperature type 4.8 V - 1.5 Ah (Cat.No 6608 83)
1	6432 10	Non-maintained (798 ADR NM1)
1	6432 11	Sustained / combined (798 ADR S1)
		7408 ADR - 320 lm Sealed rechargeable Ni-Cd batteries, high temperature type 3.6 V - 4 Ah (Cat.No 6608 17)
1	6432 12	Non-maintained (7408 ADR NM1)
1	6432 13	Sustained / combined (7408 ADR S1)
		Accessories
1	609 06	Grid
1	607 96	Flush mounting frame
		Labels

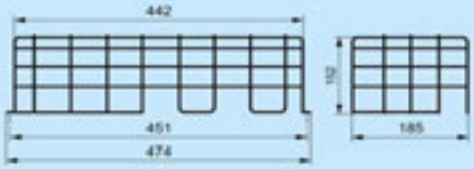
Uravision
addressable emergency lighting system

Dimensions (in mm)

Luminaire



Grid Cat.No 609 06



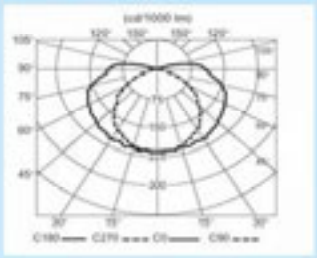
Optical data

Luminaire spacing, in metres, to provide 1 lux minimum illuminance

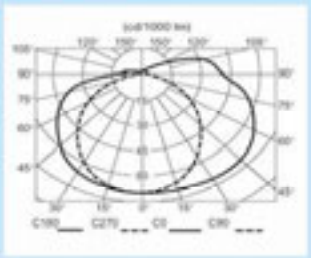
Ceiling mounting height (m)	Lighting level directly under luminaire (lux)	Axial to wall D (m)	Axial spacing D (m)	Transverse spacing D (m)	Transverse to wall D (m)
6432 00/01					
2.5	6.1	2.9	7.5	9.8	3.8
3	4.3	3.0	7.8	10.2	3.8
4	2.4	2.9	8.4	10.6	3.6
5	1.5	2.4	8.4	10.6	3.0
6432 02/03					
2.5	11.6	3.7	9.7	12.6	4.9
3	8.0	3.9	10.0	13.2	5.0
4	4.5	4.1	10.8	14.0	5.3
5	2.9	4.0	11.2	14.6	5.2
6432 10/11					
2.5	4.7	2.5	6.6	9.0	3.4
3	3.2	2.6	7.0	9.4	3.5
4	1.8	2.1	7.0	9.8	3.2
5	1.1	1.3	6.6	9.4	2.2
6432 12/13					
2.5	8.8	3.2	8.0	11.2	4.5
3	6.1	3.3	8.8	11.9	4.55
4	3.4	3.3	9.2	13.0	4.8
5	2.2	3.1	9.6	13.6	4.55

Distribution of luminous intensity in cd/1000 lm

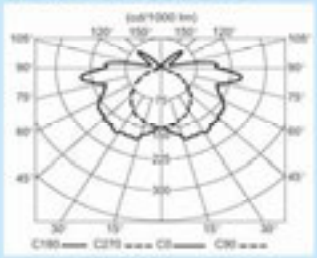
Cat.Nos 6432 00/02



Cat.Nos 643201/03



Cat.Nos 6432 10/11/12/13



EMERGENCY LIGHTING LUMINAIRES

Uravision
addressable emergency lighting system

6432 20

6432 22

6432 24 + 6431 90

Pack	Cat.Nos	**Recessed luminaires**
		IP 20 - Class I ⅲ Sealed rechargeable Ni-Cd batteries, high temperature type 3.6 V - 4 Ah (Cat.No 6608 17)
		E8 ADR PL - 220 lm Particularly suitable for anti-panic area lighting Equipped with a steel frame and a transparent striped diffusor, these recessed luminaires can be installed in any false ceiling A reflector in bright aluminium with a wide beam ensures a maximum output of the lamp
1	6432 20	Non-maintained (E8 ADR NM1 PL)
1	6432 21	Sustained / combined (E8 S1 PL)
		E8 ADR LR - 240 lm Particularly suitable for anti-panic area lighting A reflector equipped with thin bright aluminium lamellas (louvres) with a wide beam ensure a maximum output of the lamp These luminaires can be installed in any false ceiling and match with most of the office luminaires
1	6432 22	Non-maintained (E8 ADR NM1 LR)
1	6432 23	Sustained / combined (E8 ADR S1 LR)
		E8 ADR PIC - 200 lm Particularly suitable for escape route lighting Equipped with a steel frame and a two-parts transparent striped diffusor they can be installed in any false ceiling A reflector in bright aluminium with a wide beam and two slits in the top frame enable tube light to be diffused down the pictogram plate, ensuring a maximised light output
1	6432 24	Sustained / combined (E8 ADR S1 PIC)

Accessories

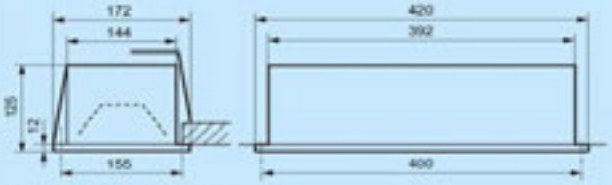
Engraved and silk-screened pictogram plates

1	6431 88	
1	6431 89	
1	6431 90	
1	6431 91	(blank)
1	6431 86	
1	6431 87	

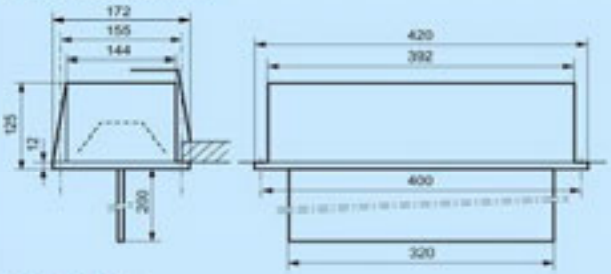
Uravision
addressable emergency lighting system

Dimensions (in mm)

E8 PL/LR Cat.Nos 6432 20/21/22/23



E8 PIC Cat.No 6432 24



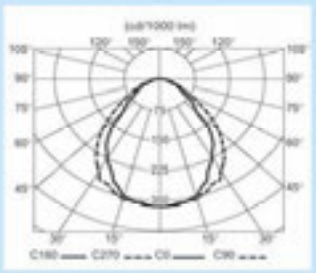
Optical data

Luminaire spacing, in metres, to provide 1 lux minimum illuminance

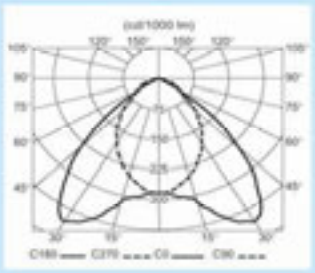
Ceiling mounting height (m)	Lighting level directly under luminaire (lux)	Axial to wall D (m)	Axial spacing D (m)	Transverse spacing D (m)	Transverse to wall D (m)
6432 20/21					
2.5	5	3.1	7.5	8.8	4.0
3	5	3.3	8.1	10.0	4.4
4	5	3.7	9.5	12.1	5.0
5	3	3.7	10.1	13.6	5.5
6432 22/23					
2.5	17.6	3.2	7.8	8.8	4.0
3	12.2	3.4	8.2	9.8	4.5
4	6.8	3.9	9.6	12.4	5.3
5	4.4	4.0	10.4	14.0	5.7
6432 24					
2.5	5	3.9	9.0	7.2	3.0
3	5	4.0	9.6	8	3.2
4	5	4.6	11.2	8.8	3.7
5	4	5.0	12.4	10	3.9

Distribution of luminous intensity in cd/1000 lm

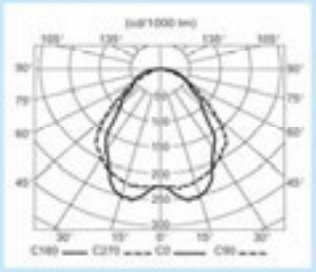
Cat.Nos 6432 20/21



Cat.Nos 6432 22/23



Cat.No 6432 24

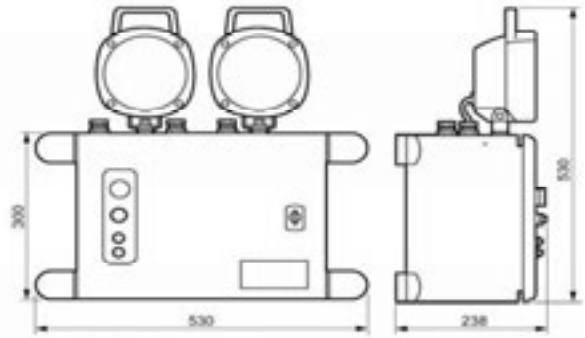


Uravision
addressable emergency lighting system

6432 31

Pack	Cat.Nos	Twin 55 W weatherproof emergency floodlight non-maintained luminaire
1	6432 31	**BAP 110 E** Certified to IEC 598-2-22 and EN 60598-2-22 standards, Power supply : 230 V +/- 10 % - 50/60 Hz IP 55 Class I Recharge time : 24 h Sealed rechargeable Ni-Cd batteries, high temperature type Charge monitor : Led Supplied with 2 x 55 W tungsten halogen lamps Lumen output : 2, 000 Duration : 1 hour

BAP 110 E



Uravision
addressable emergency lighting system *(continued)*

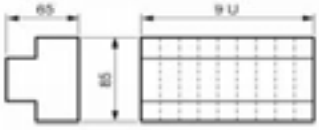
6432 40

6432 41

Pack	Cat.Nos	Interface
1	6432 40	The interface module ensures the following functions through 4 Leds : • power suply of the URAVISION bus • local switching on and putting out remote controls through push-buttons • interface between the PC, which acts as a supervisor, and the URAVISION self-contained luminaires One interface is needed per installations up to 1,000 self-contained luminaire Power supply : 230 V +/- 10 % - 50 Hz Capacity of the terminals : 2 x 1.5 mm² or 1 x 2.5 mm² **BTI**

Pack	Cat.Nos	Repeater
1	6432 41	The repeater module enables, for large installations, to extend the capacity of a URAVISION network by increasing the maximum lengh of the URAVISION bus or to ensure partitioning of the self-contained luminaires, by floor or by building for instance One repeater may operate up to 200 addressable luminaires The repeater module ensures the following functions : • amplification and bidirectional rearrangement of information circulating on the bus line of the installation • one-way rearrangement of the remote control orders, information always transiting BUS IN towards BUS OUT • local switching on and putting out remote controls through push-buttons Power supply : 230 V +/- 10 % - 50 Hz Capacity of the terminals : 2 x 1.5 mm² or 1 x 2.5 mm² **BR**

Dimensions (in mm)



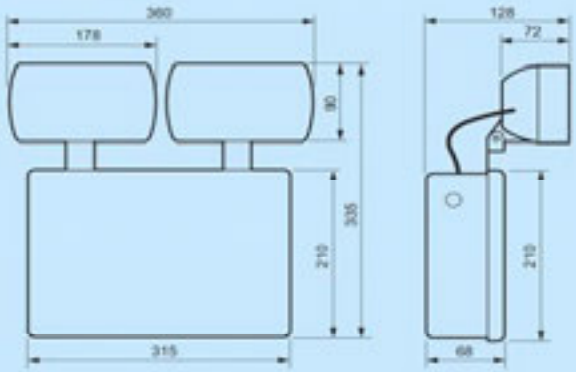
BBK
self-contained emergency lighting luminaires

Pack	Cat.Nos	Twin 20 W emergency floodlight non-maintained luminaires
		Ideal for lighting large open areas or undefined, escape routes Particularly suitable for factory or warehouse areas where premises have high ceilings Certified to IEC 598-2-22 and EN 60598-2-22 ▼ Power supply : 230/240 V - 50/60 Hz Steel housing is white expoxy power coated to ensure corrosion resistance Supplied with 2 x 20 W tungsten halogen lamps Lumen output : 2 x 400 lm Maintenance free seated lead acid battery (12 V - 7 Ah, Cat. No 407 49), (1 for 1 h duration, 2 for 3 h duration) Recharge time : 24 h nominal (14 h for 1 h duration) Cable entry : 20 mm conduit knockout at one end Operating temperature : 0 to 25°C
1	639 92	1 h
1	639 93	3 h

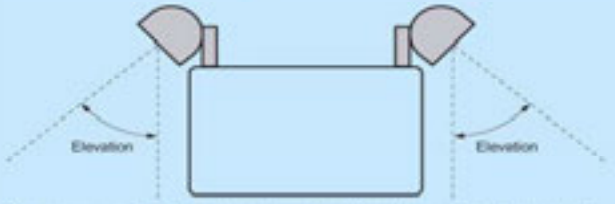
Labels

self-contained emergency lighting luminaire

Dimensions (in mm)



Distribution of flood light



Maximum permitted spacing (in metres) to achieve 1 lux luminaire to wall

Height (m)	Elevation angle	Luminaire to Luminaire	Luminaire to wall
3	68°	17.4 m	8.0 m
4	50°	13.3 m	5.7 m
5	25°	10.0 m	3.5 m

Figures are given for guidance purposes
Height, "luminaire to luminaire" figures assume the spolights are mounted in a horizontal attitude, with front faces of each spot pointing at the noted elevation angle and away from each other

"Luminaire to Wall" figures can be used to determine the extent of an escape route in any direction from the luminaire

In both cases, the center line of the escape route is assumed to pass directly underneath the luminaire with the spots aimed along the centre line of the escape route

remote control device

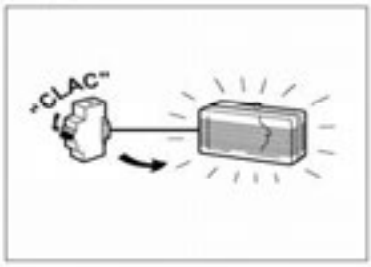
039 01

Pack	Cat.Nos	
1	039 01	Allows emergency lighting luminaires off (rest-mode) upon intentional power failure Power supply : 230 V~ - 50/60 Hz Rail mounting ⎓ Number of 17.5 mm modules : 4 Use for NF, U21, B65, NT65, G5 and Arcor ranges

Example of an installation with remote control device

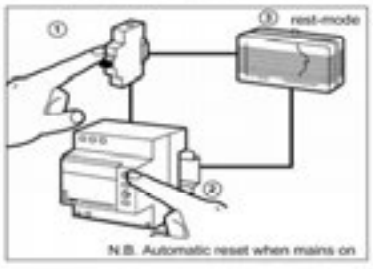
① General power failure

In the event of a general power failure, either by default or intentionally, emergency lighting luminaires switch on

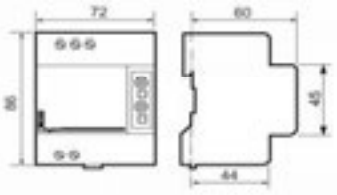


② Intentional power failure

Upon intentional power failure ① and by activating the remote control device ② the emergency lighting luminaires switch off, thus increasing their duration ③



Dimensions (in mm)



portable lamps

607 92

607 97

608 95

Supplied complete with built-in battery pack and charger
When plugged into a mains socket, operate as emergency lighting by switching on when there is a mains failure
Led to indicate mains presence (except 607 95)
Mains connection lead also supplied
230 V~ supply

Pack	Cat.Nos	Lamps with swivelling headlamp
		IP 40 - Class II ⊞ Duration : 3 hours 2 switches - 5 operating positions (steady beam, flashing beam, steady pilot lamp, flashing pilot lamp, stop)
1	607 92	**5.5 W incandescent** Lumen output: 55 lm Sealed rechargeable Ni-Cd batteries: 6 V - 4 Ah (Cat.No 610 12 x 5) Bulbs : headlamp (Cat.No 609 29), pilot lamp (Cat.No 609 39)
1	607 93	**10 W - Halogen** Lumen output: 120 lm Sealed rechargeable Ni-Cd batteries: 6 V - 7 Ah (Cat.No 610 13 x 5) Bulbs : headlamp (Cat.No 609 18), pilot lamp (Cat.No 609 39) Delivered with 4 screens (red, green, orange, transparent) and one adjustable belt

Plastic lamps

		IP 40 - Class II ⊞ 1 switch ON / OFF
1	607 97	**5.5 W - Incandescent** Lumen output: 55 lm Duration: 1 h 30 Sealed rechargeable Ni-Cd batteries: 6 V - 1.8 Ah (Cat.No 610 11 x 5) Bulb for headlamp (Cat.No 609 29)
1	607 98	**6 W - Fluorescent** Lumen output: 55 lm Duration: 2 hours Sealed rechargeable Ni-Cd batteries: 6 V - 1.8 Ah (Cat.No 610 11 x 5) Lamp (Cat.No 609 40)
1	608 95	**3 or 9 W incandescent** 1 switch, 3 positions: stop, full power (9 W, 1 h duration), 1/3 full power (3 W, 3 h duration) Green led as charge monitor Sealed rechargeable Ni-Cd batteries, 2.4 V - 4 Ah (Cat.No 610 12 x 2) Bulbs : 2.4 V - 1.25 A, Ba 9S socket

emergency lighting central battery system

614 01

Maintained emergency lighting central battery unit

To supply incandescent and fluorescent slave luminaires
Conform to EN 50171, NF C 71-815 and NF C 58 311 standards
Power supply: 230 V~ +/- 10 %, 50 Hz monophased
Sealed rechargeable lead acid batteries whose life time > 5 years
Battery charging: 12 hours charging for at least 80 % of the nominal capacity
Automatic battery discharge limiting arrangement to preserve the life time of the lead acid battery thus avoiding excessive discharge
Duration time: 1 h at nominal power
Safety outputs protected by fuse for DC unit and by circuit-breaker for 230 V AC ones: 4 as standard and 4 optional for cubicles < = 510 W, 6 for cubicles > 510 W
Average working temperature: 25°C, relative humidity 85%

Pack	Cat Nos	
		Voltage use 24 V⎓ (+15%/-10% when mains on)
1	614 01	320 W
1	614 02	510 W
1	614 03	1 020 W
		Voltage use 48 V⎓ (+15%/-10% when mains on)
1	614 11	270 W
1	614 12	430 W
1	614 13	650 W
1	614 14	1 020 W
		Voltage use 110 V⎓ (+15%/-10% when mains on)
1	614 21	610 W
1	614 22	960 W
1	614 23	1 450 W
		Voltage use 220 V⎓ (+15%/-10% when mains on)
1	614 31	510 W
1	614 32	850 W
1	614 33	1 220 W
		Voltage use 230 V~ (+15%/-10% when mains on)
1	614 41	630 VA
1	614 42	1 000 VA
1	614 43	1 600 VA

Cat Nos	Height	Width	Depth	Weight
614 01	750	450	270	60
614 02	750	450	270	100
614 03	1300	600	450	120
614 11/12	750	450	270	60
614 13/14/21/31	1300	600	450	120
614 22/32/41	1300	600	450	130
614 23/42	1300	600	450	170
614 33	1300	600	450	180
614 43	1300	600	450	190

fluorescent central battery luminaires for emergency lighting

627 39

627 05

607 56 + 607 68 + 607 80

Certified to IEC 598-2-22 and EN 60598-2-22 and NF C 71-022, except 6432 53
Glow wired test: 850 °C

Pack	Cat Nos	
		4 W luminaires
	NEW	Rated lumen output: 45 lm
		Metal-glass luminaires
		IP 20-1 - Class I
1	627 35	24 V⎓
1	627 36	48 V⎓
1	627 37	110 V⎓
1	627 39	220 V⎓ / 230 V~
		Plastic luminaires
		IP 55-7 - Class II ⊠
1	627 05	24 V⎓
1	627 06	48 V⎓
1	627 07	110 V⎓
1	627 09	220 V⎓ / 230 V~

6 W fluorescent edge light slave luminaires

Certified to IEC 598-2-22 and EN 60598-2-22 standards
IP 20 - Class II ⊠
Fitted with a converter and 6 W fluorescent tube

60 lumens mechanism

Pack	Cat Nos	Supply voltage	Power consumption	
1	607 56	48 V⎓	10 W	0.2 A
1	607 57	110 V⎓	7 W	0.06 A
1	607 58	230 V⎓	7 W	0.03 A
1	607 59	230 V~	11 W	0.05 A

200 lumens mechanism

Pack	Cat Nos	Supply voltage	Power consumption	
1	607 76	48 V⎓	10 W	0.2 A
1	607 77	110 V⎓	7 W	0.06 A
1	607 78	230 V⎓	7 W	0.03 A
1	607 79	230 V~	11 W	0.05 A

Installation accessories

fluorescent central battery luminaires for emergency lighting *(continued)*

6432 53 • 6432 54

627 26

627 44

Pack	Cat.Nos	**8 W exit signs luminaires**
		IP 20 - Class I Rated lumen output: 140 lm (single sided), 220 lm (double sided)
1	6432 53	230 V~
		Accessories
10	6432 51	Back plate
5	6432 54	Pictogram plate
5	6432 55	Pictogram plate
5	6432 56	Pictogram plate
		Straps and grid and suspension kit (p. 434)

8 W plastic luminaires

NEW

IP 55 - Class II ⊞
Rated lumen output: 360 lm

1	627 10	24 V=
1	627 11	48 V=
1	627 12	110 V=
1	627 14	220 V= / 230 V~

8 W metal and glass luminaires

NEW

IP 66 - Class I
Rated lumen output: 360 lm

1	627 25	24 V=
1	627 26	48 V=
1	627 27	110 V=
1	627 29	220 V= / 230 V~

Batten fittings for 18 W lamp

NEW

IP 20 - Class I
Rated lumen output: 1250 lm

1	627 40	24 V=
1	627 41	48 V=
1	627 42	110 V=
1	627 44	220 V= / 230 V~

Exit sign for 36 W lamp

IP 20 - Class I
Rated lumen output : 200 lm (single sided), 380 lm (double sided)

1	6433 12	230 V~
		Accessories
1	6433 11	Back plate
1	6433 60	Pictogram plate
1	6433 61	Pictogram plate
1	6433 62	Pictogram plate

incandescent central battery luminaires for emergency lighting

627 31

627 01

627 21

Pack	Cat.Nos	
		Certified to IEC 598-2-22 and EN 60598-2-22 and NF C 71-022. Equipped with a E 27 socket for incandescent lamp (40 W maxi or 25 W in some installation conditions) or electronic ballast compact lamp
		Metal-glass luminaire Glow wired test: 960 °C IP 20
1	627 31	Class I
		Plastic luminaire Glow wired test: 850 °C IP 55
1	627 01	Class II ⊞
		Metal glass luminaire Glow wired test : 960 °C IP 66
1	627 21	Class I

NEW accessories

607 95

609 04

609 42

Pack	Cat.Nos	**Flush mounting frames**
1	607 95	For Cat.Nos 627 01/05/06/07/09
1	607 96	For Cat.Nos 627 10/11/12/14
		Grids
1	609 04	For Cat.Nos 627 01/05/06/07/09/31/35/36/37/39
1	609 06	For Cat.Nos 627 10/11/12/14/21/25/26/27/29
		Fluorescent lamps
5	609 42	4 W
5	609 41	8 W

spare parts

609 41

Pack	Cat.Nos	Lamps and tubes
		Lamps
1	609 18	6 V - 10 W (halogen lamp)
25	609 28	12 V - 0.25 A - 3 W (E 10)
10	609 29	6 V - 0.9 A - 5.5 W (E 10)
25	609 31	3.6 V - 1 A - 3.6 W (E 10)
10	609 39	6 V - 1.2 W (W 2 x 4.6 d)
20	618 77	3.6 V - 0.55 A (BA 9S)
		Tubes
5	607 51	6 W
5	607 53	11 W
5	609 41	8 W

		Nickel - Cadmium batteries
		According to IEC 60285-1
1	610 11	1.2 V - 2 Ah
1	610 12	1.2 V - 4 Ah
1	610 13	1.2 V - 7 Ah
1	610 17	3.6 V - 4 Ah
1	610 18	4.8 V - 4 Ah
5	617 99	8.4 V - 1.5 Ah
5	618 83	3.6 V - 1.5 Ah
1	618 84	4.8 V - 1.5 Ah
5	618 85	6.0 V - 1.5 Ah
5	618 86	7.2 V - 1.5 Ah
5	618 88	3.6 V - 4 Ah
1	618 89	4.8 V - 4 Ah
1	618 92	2.4 V - 1.5 A
4	6608 16	3.6 V - 4 Ah Stick type
2	6608 17	3.6 V - 4 Ah Side/Side type
2	6608 18	3.6 V - 1.2 Ah Side/Side type
2	6608 80	3.6 V - 4 Ah Triangle type
4	6608 81	7.2 V - 1.5 Ah Stick type
2	6608 83	4.8 V - 1.5 Ah Side/Side type
2	6608 84	2.4 V - 4 Ah Side/Side type
4	6608 86	2.4 V - 4 Ah Stick type
4	6608 87	7.2 V - 4 Ah Stick type

labels
for emergency lighting luminaires

Pack	Cat.Nos	Labels	
		Conform to CEE 92-58 and ISO 3864	
10	609 50		227 x 26 mm
5	609 97		215 x 76 mm
5	609 98		215 x 76 mm
5	609 64		227 x 90 mm
5	609 90		227 x 90 mm
5	609 91		227 x 90 mm
5	609 56	EXIT	230 x 45 mm
5	609 57	EMERGENCY EXIT	230 x 90 mm
5	609 58	EXIT	230 x 45 mm
5	6608 50		325 x 125 mm
5	6608 51		325 x 125 mm
5	6608 55		325 x 155 mm
5	6608 56		325 x 155 mm
5	6608 57		325 x 155 mm
5	6608 65		310 x 130 mm
5	6608 66		310 x 130 mm
5	6608 67		310 x 130 mm
5	6608 68		310 x 130 mm
5	6608 69		310 x 130 mm
5	6608 74	EXIT	310 x 130 mm

fire alarm panels : 4 voyants

Salvena™

6430 20

6430 22

6430 23

6430 65

System description
Conform to European standards EN 54-2, EN 54-4

Mains voltage : 230 V AC + 10 % - 15 % - 50/60 Hz
Operating temperature - 10 °C to + 55 °C
Front programming and program reading maximum 32 points per zone : 32 manual call points only or 32 automatic detectors only
Either manual call points or automatic detector front marking to indicate the zones
2 customizable codes for access to 2 function levels (end-users and installers)
For 2, 4 and 8 zone panels
- 2 sounders (or flash outputs)
- Time delay of sounder output n° 2 adjustable from 0 to 10 minutes
- Operation on day / night mode
Programming of detection zones with sounder 3 output n° 2
- Option of connecting up to 3 repeater panels
English / Spanish or French German labels

1-zone Salvena panel

Pack	Cat Nos English Spanish	Cat Nos French German	
1	6430 20	6430 10	1 detection loops 1 sounder (or flash) output 210 mA (total) 1 general fire volt free changeover contact (1 A 24 VDC) 1 general fault volt free changeover contact (1 A 24 VDC) Autonomy : 72 hours standby + 30 minutes alarm Battery no supplied (Cat. No 6430 55) IP33 - IK07

2-zone Salvena panel

Pack	Cat Nos English Spanish	Cat Nos French German	
1	6430 21	6430 11	2 detection loops 2 sounders (or flash) outputs 500 mA (total) 1 general fire volt free changeover contact (1 A 24 VDC) 1 general fault volt free changeover contact (1 A 24 VDC) Autonomy : 72 hours standby + 30 minutes alarm Battery not supplied (Cat. No 6430 55) IP33 - IK07

Batteries

1	6430 55	Lead battery 12 V - 7 Ah
1	6430 56	Lead battery 12 V - 12 Ah

Four-zone Salvena panel

Pack	Cat Nos English Spanish	Cat Nos French German	
1	6430 22	6430 12	4 detection loops 2 sounder (or flash) outputs 600 mA (total) 1 general fire volt free changeover contact (1 A 24 VDC) 1 general fault volt free changeover contact (1 A 24 VDC) 1 auxiliary changeover contact 24 V - 1 A Programming of auxiliary contact with detection zones 1 input for service signal Battery not supplied (Cat. No 6430 56) Autonomy : 72 hours standby + 30 minutes alarm IP30 - IK07

8-zone Salvena panel

Pack	Cat Nos English Spanish	Cat Nos French German	
1	6430 23	6430 13	8 detection loops 2 sounder (or flash) outputs 1.2 A 1 general fire volt free changeover contact (1 A 24 VDC) 1 general fault volt free changeover contact (1 A 24 VDC) 4 auxiliary changeover 24 V - 1 A Programming of auxiliary contacts with detection zones 1 continuous or resettable output 24 V - 200 mA 1 input for service signal (class change) Autonomy : 72 hour standby + 30 minutes alarm Battery not supplied (Cat. No 6430 56) Option of remote control for day / night mode IP30 - IK07

Repeater panel

1	6430 65	Report of information supplied by the panel (fire, fault, out-of-order, test) on liquid crystal display Max. 3 repeaters per central unit

automatic detectors and manual call points

6430 73

6430 74

380 69

380 47

Pack	Cat.Nos	
		Automatic detectors for fire alarm panels Supplied with base
		Heat detector
1	6430 73	Detects temperature rise with threshold of 60 °C, average detection area : 30 m2
		Optical smoke detector
1	6430 74	For rapid detection of fire starting before flames appear Average detection area : 60 m2
		Remote light indicator For connection of detectors when they are installed out of site
1	406 78	Flush-mounting fixing with Mosaic support Cat.No 748 02 p. 328, plate Cat. No 750 02 Surface-mounting fixing with Mosaic support Cat.No 748 02 p. 328, plate Cat.No 750 02 p. 327 and frame Cat.No 893 14/20 p. 328

Manual call points

Dimensions :
- surface-mounting : 90 x 90 x 57 mm
- flush-mounting : 90 x 90 x 27 mm

IP 40 - IK07

Various types of call points are available :
- break glass
- resettable

- Call by pressing the center of the membrane (pressure 2.5 kg) with clear display of the call position
- Reset on front of device, with special key (supplied with the product)
- Space reserved to stick a function use identification label
- resettable with mechanical status indicator

Pack	Surface-mounting	Flush mounting Screw fixing	
			For fire alarm equipment Conform to EN 54-11 standard Fitted with NO/NC contact - 0.1 A - 48 V⎓
1	380 14	380 34	Red - break glass
1	380 69	380 70	Red - resettable
			For emergency exit control Fitted with NO/NC contact - 5 A - 24 V⎓ / 1 A - 48 V⎓
1	380 23	380 65	Green - resettable
1	380 47	380 73	Green - resettable + status indicator
			For extinguishing system control Fitted with NO/NC contact - 5 A - 24 V⎓ / 1 A - 48 V⎓
1	380 25	380 66	Yellow - resettable + status indicator

Accessories

1	380 97	Transparent cover for 90 x 90 mm call points
5	380 79	Set of 5 glasses for call points Cat.Nos 380 14/34

sounders and flashing light

415 08

414 62

Pack	Cat.Nos	
		Sounders
		To be powered supply by fire alarm panel, power box or by filtered stabilised DC power supply Service signal option (except 414 62)
	White	**IP 31 - IK 07** Sound output at 2 m : 90 dB
1	415 08	Surface-mounting. Dimensions : 143 x 121 x 62 mm Operating voltage range : 12-24-48 V ± 10 % Average consumption : 12 V = 20 mA, 24 V = 25 mA, 48 V = 35 mA
	Red	
1	415 06	
		IP 44 - IK 09 Sound output at 2 m : 105 dB Surface-mounting
1	415 14	Average consumption : 24 V = 175 mA
		IP 44 - IK 10
	Red RAL 3000	Surface mounting at 1m : 90 db
1	414 62	Average consumption : 24 V DC = 70 mA
		Flashing light
	Red	IP 54
1	6430 80	Average consumption : 24 V DC = 80 mA

electromagnetic door holder and safety electrical power supply

406 86

614 79

Pack	Cat.Nos	Electromagnetic door holder
1	406 86	Automatically closes fire doors by current breaking Fitted with : Polycarbonate connection box, white RAL 9010 with electromagnetic element and local push-button Wall surface-mounting Metal washer hinged for door fixing Power supply : 24 V DC Consumption : 25 mA Power : 0,6 W

Pack	Cat.Nos	Safety electrical power supply
1	614 79	For DC power supply of fire safety installations such as fire doors, smoke removal devices, sprinklers, sounders Power supply when mains on or off Fitted with sealed Ni-Cd batteries Power supply 230 V± - 50/60 Hz The power is given for 1 hour operating range Voltage : 27 V DC 5 W

BREAK GLASS EMERGENCY BOXES

FAST
INTERVENTION

ENTER
A SECURE
SPACE

EASY ACCESS TO THE PRODUCT

- Hinged door
- Multiple cable entries
- Front face opening with screwdriver
- 1/4 turn removal

BREAK GLASS EMERGENCY BOXES

- Mushroom head button boxes :
  - unlocking by key N° 850
  - 2 long life LED indicators

- Double position button :
  - pressing on mushroom head
  - glass break or
  - glass break followed by pressing on mushroom head

- Double position button :
  - pressing on mushroom head
  - glass break or
  - glass break followed by pressing on mushroom head
  - 2 long life LED indicators

safety boxes

380 09

380 98

380 99

Pack	Cat.Nos	Break glass emergency boxes
		Polycarbonate, Class II ⊞ - Red - IK07 4.5 A 400 V∿ • Fitted with : - hinged glass door with locking option by key (ref. 017 65) - 3 cable entries for CG ISO 16/20 (by top or bottom as reversible product) - 2 entries from back of product Ø 20 - 2 side entries for mini-trunking 20 x 12.5 and 32 x 12.5 - 1 NC contact and 1 NO contact • Flush-mounting option with boxes Ø 85, see p. 342 • Dimensions : 125 x 125 x 71 mm
	Surface mounting IP44	
1	380 09	**Mushroom head button box** • Equipment : - 1 mushroom head button with latching, unlocking by key No 850 - 2 long life LED indicators (green and red)
1	380 11	**Double position box** • Equipment : - 1 mushroom head button for pressing - 1 finishing accessory for simple action release (glass break) or double action (glass break followed by pressing on mushroom head). See p. 342
1	380 24	Double position box Fitted with 2 long life LED indicators (green/red)

Emergency unit with handle

		IP54 - IK07 Colour : box - yellow RAL 1018 Handle - red RAL 3000 Emergency cut-off device for industrial kitchens, computer rooms, etc... Protected against all unwanted resetting by key lock in rest position Fitted with 4 cut-out entries for CG CM 16P N/O fitted with 3 contacts and 3 N/C contacts Breaking capacity 400 V - 10 A enabling : - breaking of headline circuit breaker, cut-off of air conditioning, return to centralized technical control Supplied with 2 keys Supplied with signalling kit comprising : - 2 LED indicators 48 V⎓ (1 green + 1 red) showing change of state of servo-linked organs
1	380 98	Emergency unit with handle
1	380 99	Signalling LED indicator kit 230 V for Cat.No 380 98

safety boxes *(continued)*

380 52

380 42

380 54

380 83

Fireman's emergency switches

In the event of an emergency, the box enables disconnection of signs from the mains (LV and ELV) from outside the building, at no risk to the user
Box equipped with :
• A device which prevents the box from being opened when the mains is connected
• 2 cable glands (supplied with the product)
• 1 switch with protected terminals
• Dim. : 143 x 100 x 65 mm (Cat.Nos 380 42/50)
• Dim. : 172 x 101 x 73 mm (Cat.Nos 380 40/52)
IP65 - IK08

Pack	Cat.Nos	16 A with LED indicator
	RAL 1015	
1	380 50	2-pole
1	380 52	4-pole

16 and 32 A weatherproof switches

	RAL 3000	Conform to BS 7671, chapter 463 and 537, and SABS 0142-1 Automatic locking device in "off" position to prevent accidental switching on
1	380 42	2-pole - 16 A
1	380 40	4-pole - 32 A

Key space boxes

		Polycarbonate Class II ⊞ IP44 - IK07 Fitted with : - hinged glass door with locking option by key No 850 - 1 contact 100 mA, 48 V signalling glass break by technical alarm return Dimensions : 125 x 125 x 45 mm
		Key space boxes
1	380 54	Red
1	380 55	Green
1	380 56	White

Plexo boxes to be equipped

		Boxes equipped with rail to take standard modular devices, and capable of taking Signis device support (Cat.No 248 45) Self-extinguishing 750 °C (5 sec) Supplied with set of 2 anti-corrosion treated keys No 850 Equipped with glass frame on front IP55 - IK07 - Class II ⊞
1	380 83	4 module capacity
1	380 85	6 module capacity
1	380 87	9 module capacity

bells for industrial and alarm use

414 62

413 49

414 19

Pack	Cat.Nos	Class II ▣ (double insulated)			
		Polyester corrosion resistant finish 200 hours maxi. continuous rating			
		Direct current version			
		IP 44 - IK 10			
		Ø 150 mm gong			
		Voltage ⎓	Average Consumption (mA)	Average acoustic output at 1 m (dB)	Weight (kg)
	RAL 3000 Red				
1	414 62	24 V	70	90	1
		Alternating current versions - 50/60 Hz			
		IP 40 - IK 08			
		Ø 100 mm gong			
		Voltage ∿	Consumption (mA)	Average acoustic output at 1 m (dB)	Weight (kg)
	RAL 7037 Grey				
1	413 49	230 V	50	95	0.8
		IP 44 - IK 10			
		Ø 150 mm gong			
1	414 16	24V	360	98	1
1	414 18	110/130 V	90	98	1
1	414 19	230 V	50	98	1
		Ø 250 mm gong			
1	414 39	230 V	70	98	2.1

electromechanical sirens

415 23

415 33 with claxon

415 43

Pack	Cat.Nos	Industrial warning devices 110 dB IP 20 - IK 08	
		Frequency 350/400 Hz, continuous sound, IP 54 with weatherproof box Operates intermittently : 1 min on / 10 min off	
			Consumption in mA
1	415 20	24 V AC and DC power supply :	820
1	415 22	110 V AC and DC power supply :	210
1	415 23	230 V AC power supply :	120
1	415 24	IP 54 weatherproof box for industrial warning device	

Electromechanical sirens IP 30 - IK 05

Supplied with screws for semi-flush mounting

D.C. current

		Voltage ⎓	Power (W)	Consumption (mA)	Average acoustic output at 1 m (dB)	Weight (kg)	Max. continuous rating (hr)
1	415 32	12 V	11	889	98	0.2	200
1	415 33	24 V	12	516	100	0.2	200
		A.C. current - 50/60 Hz					
1	415 36	24 V	12.5	531	100	0.2	200
1	415 38	110 V	70	400	105	0.35	100
1	415 39	230 V	57	250	105	0.35	100

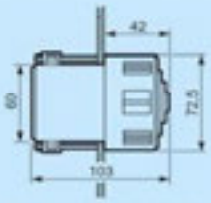
Multi-sound electronic sirens

97 to 106 dB
16 electronic sounds possible for identification of each defined event
Easy to identify and select sounds for each appliance using coded wheel
Adjustable sound level

1	415 43	12 to 48 V⎓, IP 34 - IK 07
1	415 45	230 V∿, IP 44 - IK 07

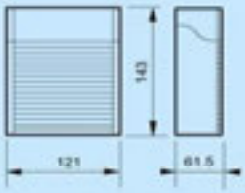
Dimensions

Electromechanical sirens



Cat.Nos 415 32 to 39

Multi-sound electronic sirens



Cat.Nos 415 43/45

Selection chart of sounds

Type of signal	Example of application	Position of code	Sound level (in dB at 1m) max.	Sound level (in dB at 1m) min.	Frequency in Hz	Consumption in mA
Danger	Moving equipment or vehicle	0	96	68	2 400 to 2 800	70
		1	102	73	1 000 to 1 500	45
	Interruption of a dangerous manufacturing process	2	96	70	2 400 to 2 800	75
		3	96	70	2 400 to 2 800	50
		4	99	72	2 400 to 2 800	100
		5	104	75	2 400 to 2 800	100
Defect	Interruption of a non-dangerous manufacturing process	6	102	70	1 000 to 1 500	30
		7	97	68	1 000 to 1 500	30
		8	101	73	1 000 to 1 500	50
		9	101	73	1 000 to 1 500	50
		A	102	74	1 000 to 1 500	30
Miscellaneous	Access to a school, a work shop	B	99	70	554	20
		C	102	74	3 000	100
Evacuation	Fire	D	96	69	440 to 554	20
Intrusion	Inside alarm	E	106	81	3 200 / 3 700	130
	Outside alarm	F	104	77	1 400 / 1 600	50