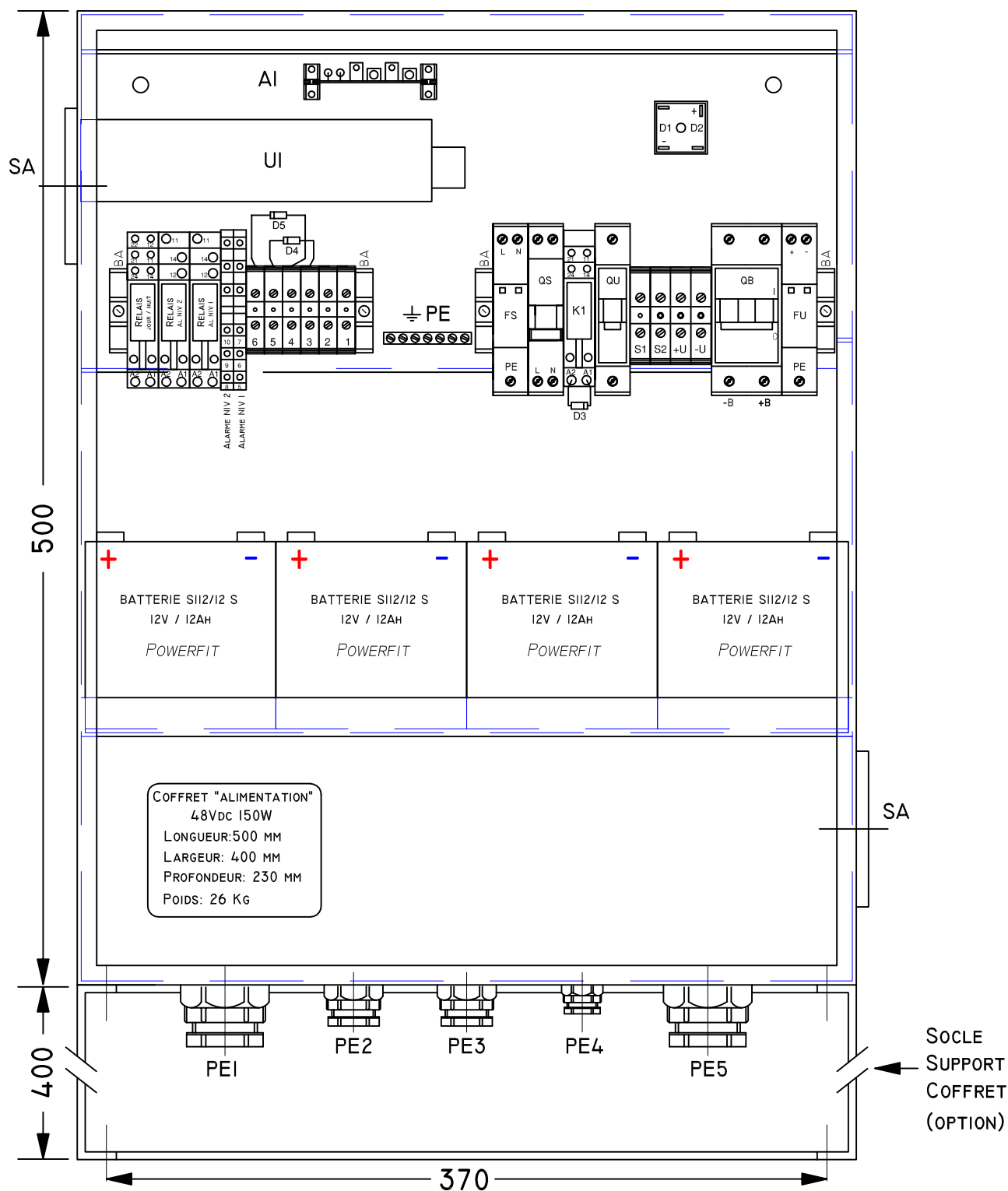


COFFRET « ALIMENTATION »

48Vdc 150W

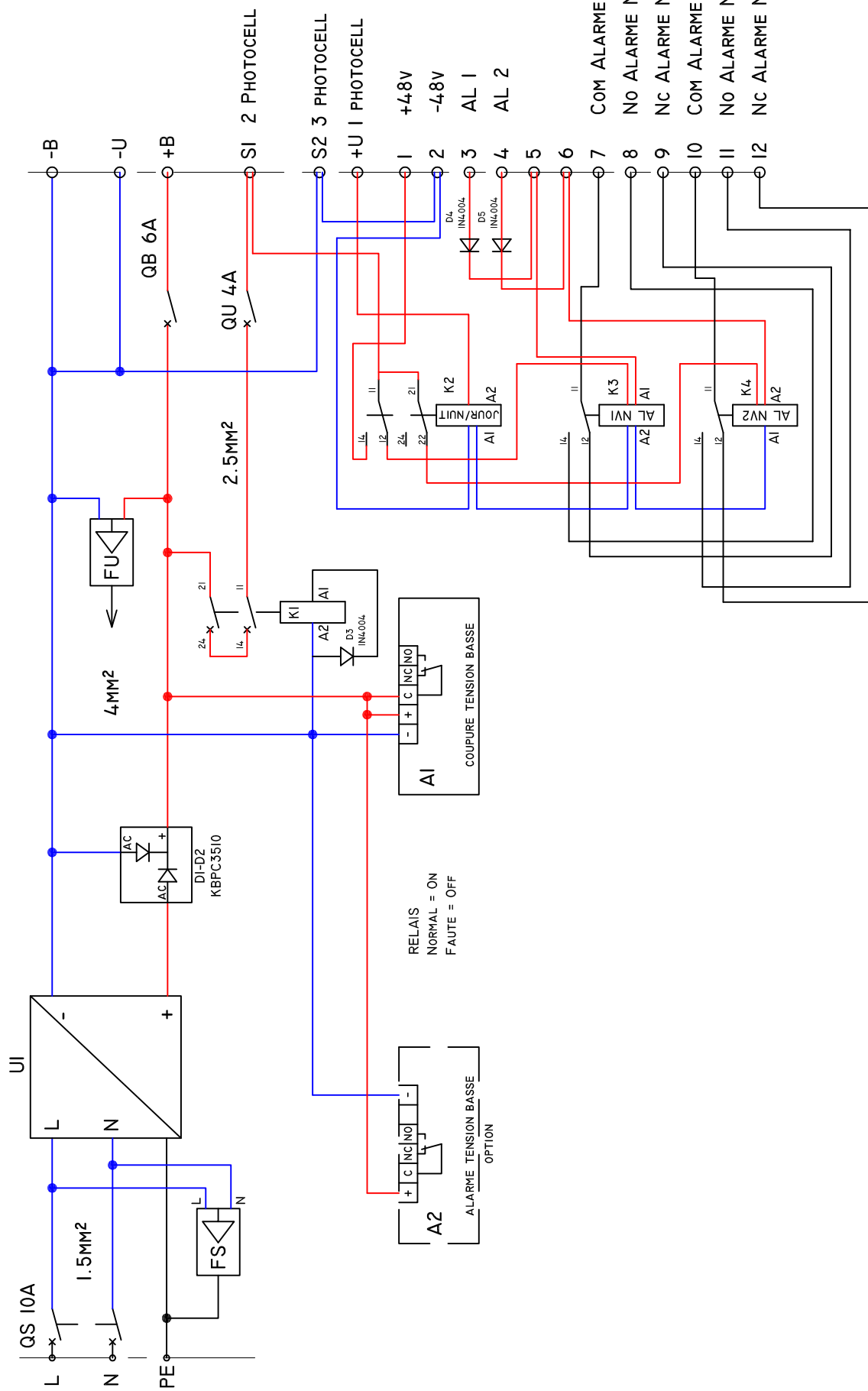
Bornier Relais Jour / Nuit



	ED.1 :	ED.2 :	ED.3 :	ED.4 :	ED.5 :	E.S :	ECHELLE / SCALE :		
MISE À JOUR : UPDATE :	18/05/22					TOLÉRANCE : TOLERANCE :	ISO 2768-M	FORMAT : SIZE : A4-V	 
DESSINÉ PAR : DRAWING BY :	S.SANTOS					FOLIO	1/1		
VÉRIFIÉ PAR : APPROVED BY :	T.LOISELLE								
COFFRET "ALIMENTATION" 48VDC 150W							113953 - R3 - PE1		



113953 - R3 - P1



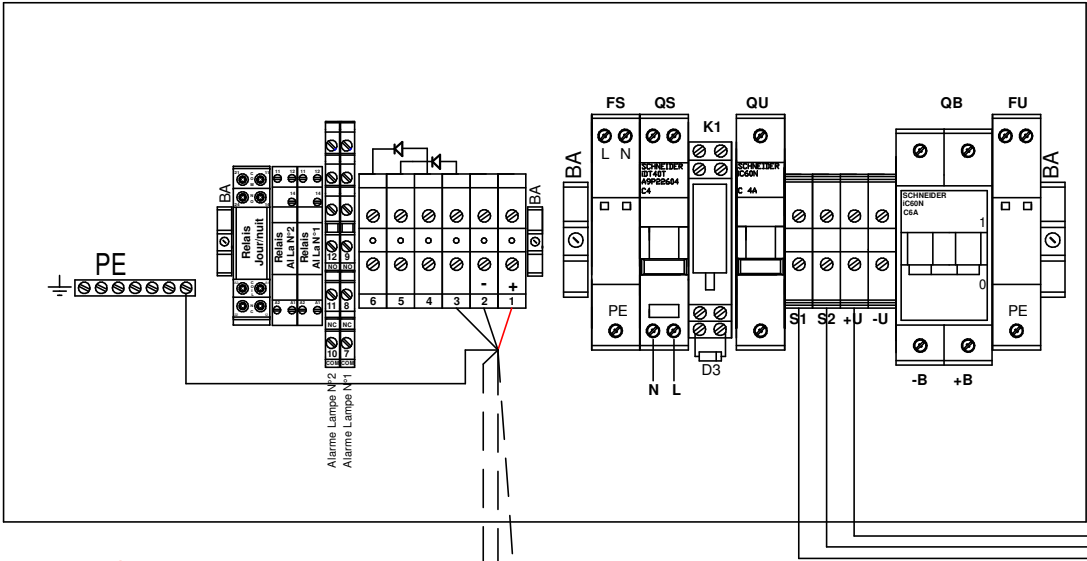
MISE À JOUR : UPDATE :	Ed.1 : 18/05/22	Ed.2 :	Ed.3 :	Ed.4 :	Ed.5 :	E.S. :	Echelle / Scale :
DESSINÉ PAR : DRAW BY :	S.SANTOS						FORMAT : SIZE :
VÉRIFIÉ PAR : APPROVED BY :	T.LOISELLE						A3-H
							FOLIO
							2/2
ALIMENTATION SECOURUE 48Vdc 150W 12AH RELAIS JOUR/NUIT							113953 - R3 - P2



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Cette armoire d'énergie est équipée de relais qui désactivent les alarmes renvoyées par les feux sur les borniers 3 et 4 lorsque ceux-ci ne sont plus alimentés de jour

48V-BAT-12Ah-R
P/N: 113953-R3

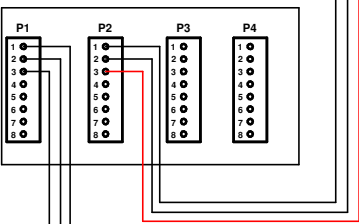


Sur ce plan les 2 retours d'alarme sont raccordés sur le bornier 3 (donc ALARME NIV 1)
Il est possible d'utiliser également le bornier 4 pour différentier l'alarme des NAVILITE de celle de l'OFC par exemple

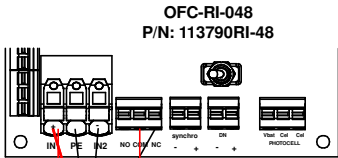
Raccordement de la cellule photoelectrique code 100757
La cellule est alimentée en 48Vdc (S1, S2) et renvoie sur le fil rouge le +48V de nuit et 0V de jour à l'armoire d'énergie sur +U

Photocell DC
P/N 100757

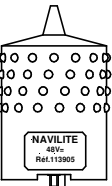
NAV-JB-8
P/N 113946



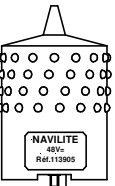
Raccordement feu moyenne intensité rouge 48Vdc avec alarme
OFC-RI-048 code 113790RI-048



NAVILITE
N°1
P/N: 113905

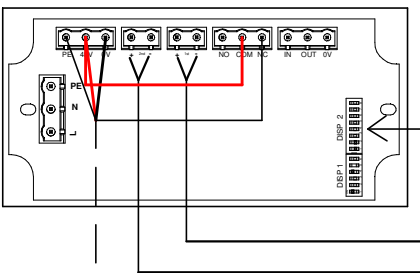


NAVILITE
N°2
P/N: 113905

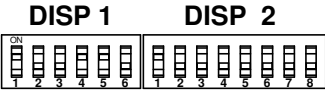


Raccordement de 2 lampe NAVILITE-48V avec boîtier de commande code 113915 et alarme
(attention les micro-interrupteurs doivent être positionnés en fonction du nombre de lampes raccordées sur le boîtier)

NAV-CMD-48-B
P/N: 113915



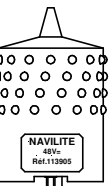
Configuration for 2 Lights
NAVILITE 48VDC



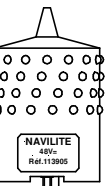
DISP 1
1 ON
2 OFF
3 OFF
4 ON
5 OFF
6 OFF

DISP 2
1 ON
2 OFF
3 OFF
4 OFF
5 OFF
6 OFF
7 OFF
8 OFF

NAVILITE
N°1
P/N: 113905

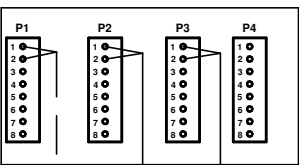


NAVILITE
N°2
P/N: 113905

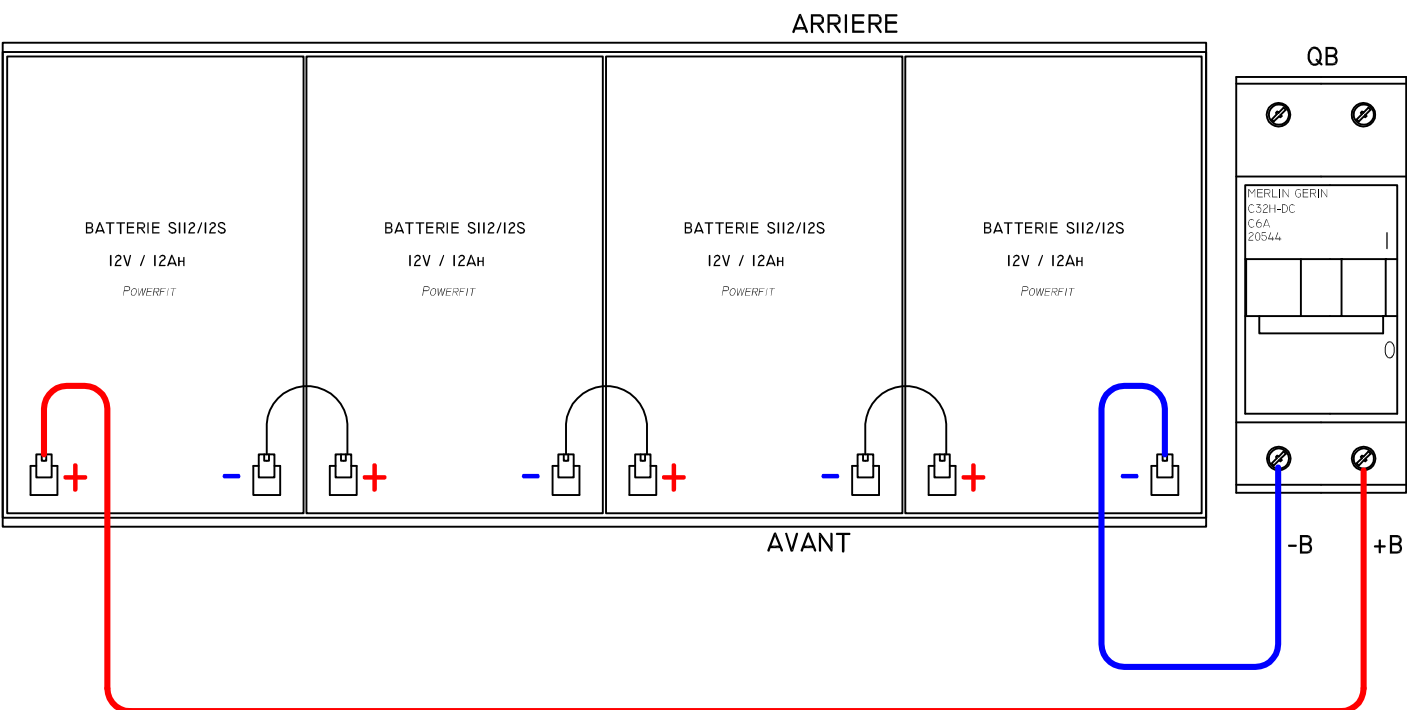


Raccordement de 2 lampe NAVILITE-48V sans d'alarme

NAV-JB-8
P/N 113946



IND/REV	DATE	NATURE DE LA MODIFICATION <i>MODIFICATION</i>													
OBSTA		Lighting System Installation													
3, Impasse de la Blanchisserie BP 56 51052 REIMS CEDEX (France) Tel. 03.26.85.74.00		CODE:				PLAN: <i>DRAWING:</i>		O-CUS-00382-NAV							
		ECHELLE: <i>SCALE:</i>				MATIERE: <i>MATERIAL:</i>		ANNULE ET REMPLACE <i>CANCELED AND REPLACED</i>							
REPÈRE DESSIN <i>REFERENCE DRAWING:</i>		DESSINE PAR: <i>DESIGNED BY:</i>		DATE:		VERIFIE PAR: <i>CHECKED BY:</i>		DATE:		APPROUVE PAR: <i>APPROVED BY:</i>		DATE:		VISA:	
		R.PELLEGRINO		05/12/22						H.BURGAUD		05/12/22			



	Ed.1 :	Ed.2 :	Ed.3 :	Ed.4 :	Ed.5 :	E.S :	Echelle / Scale :		
MISE À JOUR : CORRECTION :	18/05/22					TOLÉRANCE : TOLERANCE :	FORMAT SIZE :	A4-V	 
DESSINÉ PAR : PREPARED BY :	S.SANTOS					FOLIO 1/1			
VÉRIFIÉ PAR : APPROVED BY :	T.LOISELLE								
COFFRET "ALIMENTATION" 48Vdc 150W CÂBLAGE BATTERIES							113953 - R3 - P3		

FU	1	Parafoudre	DS230-48Vdc	Lighting Protection	CITEL				
FS	1	Parafoudre	DS240S-230/G	Lighting Protection	CITEL				
B	4	Batterie S112 / 12S	12V. 12Ah	Battery S112/12S	POWERFIT				
D3 D4 D5	3	Diode	1N4004	Diode	THOMSON				
D1 D2	1	Pont de Diode	KBPC 3510	Diode Bridge	THOMSON				
K1	1	Relais	CR-P048DC2	Relay	ABB				
U1	1	Alimentation 48Vdc 150W	HRP-150 48	48Vdc 150W Power	MEAN WELL				
A1	2	Guide Carte	VMCG-90-MPBX-K	Card Guide	RS				
A1	1	Carte RUV	RV 1521-3	RVU Card	OBSTA				
	1	Flasque de protection	D-UT 2,5 - 3L	Protection Terminal	PHOENIX CONTACT				
	2	Borne 3 Etages	UT 2,5 - 3L	Terminal 3 step	PHOENIX CONTACT				
Relais jour / nuit	1	Relais 48V	CR-P048DC2	Relay 48V	ABB				
Relais AL NIV1 / AL NIV2	2	Relais 48V	RXG15ED (ou 12ED)	Relay 48V	SCHNEIDER				
1 à 6	6	Borne ZS10	1SNK 508 010 R0000	Terminal ZS10	ENTRELEC				
	1	Flasque d'extrémité ES4	1SNK 505 910 R0000	Protection Terminal	ENTRELEC				
QU	1	Disjoncteur 1P C4	IC60N A9F74104	Circuit Breaker C4	SCHNEIDER				
QB	1	Disjoncteur 2P C6	IC60N AF77206	Circuit Breaker C6	SCHNEIDER				
QS	1	Disjoncteur Ph+N C4	IDT40T A9P22604	Circuit Breaker Ph+ N C4	SCHNEIDER				
S1/S2/+U/-U	4	Borne ZS16	1SNK 510 010 R0000	Terminal ZS16	ENTRELEC				
BA	4	Butée d'arrêt BAM3	1SNK 900 001 R0000	Terminal Block	ENTRELEC				
PE	1	Barrette de masse	5 plots	Earth Bar	ABB				
	1	Rail DIN	35x15 Long. 130 mm	DIN Rail	ERICO				
	1	Rail DIN	35x15 Long. 175 mm	DIN Rail	ERICO				
	4	Patte de Fixation Coffret	NSYAEFPFXSC	Fixing Chest	SCHNEIDER				
PE4	1	Presse étoupe 11	PG11	Cable gland 11	CAPRI				
PE2 - PE3	2	Presse étoupe 13	PG 13	Cable gland 13	CAPRI				
PE1 - PE5	2	Presse étoupe 21	PG 21	Cable gland 21	CAPRI				
SA	2	Ouie d'aération	87 000	Ventilation Grating	BRICO				
ENV	1	Coffret NSYS3D5420	500 X 400 X 200	Steel box	SCHNEIDER				
Repère	Nb	Désignation	Référence	Désignation	Fournisseur	PP			
MISE A JOUR: UPDATE:	Ed1: 18/05/22	Ed2:	Ed3:	Ed4:	Ed5:	E.S.	FORMAT: A4 SIZE:		
ETABLI PAR: DRAFT BY:	S.SANTOS					FOLIO			
VERIFIE PAR: APPROVED BY:	T.LOISELLE					1/1			
COFFRET ALIMENTATION 48Vdc 150W							113953 - R3 - N		



■ Features :

- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- High efficiency up to 89%
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Built-in constant current limiting circuit
- 1U low profile 38mm
- Built-in remote sense function
- 5 years warranty



SPECIFICATION

MODEL		HRP-150-3.3	HRP-150-5	HRP-150-7.5	HRP-150-12	HRP-150-15	HRP-150-24	HRP-150-36	HRP-150-48
OUTPUT	DC VOLTAGE	3.3V	5V	7.5V	12V	15V	24V	36V	48V
	RATED CURRENT	30A	26A	20A	13A	10A	6.5A	4.3A	3.3A
	CURRENT RANGE	0 ~ 30A	0 ~ 26A	0 ~ 20A	0 ~ 13A	0 ~ 10A	0 ~ 6.5A	0 ~ 4.3A	0 ~ 3.3A
	RATED POWER	99W	130W	150W	156W	150W	156W	154.8W	158.4W
	RIPPLE & NOISE (max.) Note.2	80mVp-p	80mVp-p	100mVp-p	120mVp-p	150mVp-p	150mVp-p	200mVp-p	240mVp-p
	VOLTAGE ADJ. RANGE	2.8 ~ 3.8V	4.3 ~ 5.8V	6.8 ~ 9V	10.2 ~ 13.8V	13.5 ~ 18V	21.6 ~ 28.8V	28.8 ~ 39.6V	40.8 ~ 55.2V
	VOLTAGE TOLERANCE Note.3	± 2.5%	± 2.5%	± 2.5%	± 1.5%	± 1.5%	± 1.5%	± 1.5%	± 1.5%
	LINE REGULATION	± 0.5%	± 0.5%	± 0.5%	± 0.3%	± 0.3%	± 0.2%	± 0.2%	± 0.2%
	LOAD REGULATION	± 1.0%	± 1.0%	± 1.0%	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%
	SETUP, RISE TIME	3000ms, 50ms/230VAC 3000ms, 50ms/115VAC at full load							
	HOLD UP TIME (Typ.)	16ms/230VAC 16ms/115VAC at full load							
INPUT	VOLTAGE RANGE Note.5	85 ~ 264VAC 120 ~ 370VDC							
	FREQUENCY RANGE	47 ~ 63Hz							
	POWER FACTOR (Typ.)	PF>0.95/230VAC PF>0.99/115VAC at full load							
	EFFICIENCY (Typ.)	78.5%	85%	87%	88%	88%	88%	89%	89%
	AC CURRENT (Typ.)	1.7A/115VAC 0.9A/230VAC							
	INRUSH CURRENT (Typ.)	35A/115VAC 70A/230VAC							
	LEAKAGE CURRENT	<1mA / 240VAC							
PROTECTION	OVERLOAD	105 ~ 135% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed							
	OVER VOLTAGE	3.96 ~ 4.62V	6 ~ 7V	9.4 ~ 10.9V	14.4 ~ 16.8V	18.8 ~ 21.8V	30 ~ 34.8V	41.4 ~ 48.6V	57.6 ~ 67.2V
		Protection type : Shut down o/p voltage, re-power on to recover							
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down							
ENVIRONMENT	WORKING TEMP.	-40 ~ +70°C (Refer to "Derating Curve")							
	WORKING HUMIDITY	20 ~ 90% RH non-condensing							
	STORAGE TEMP., HUMIDITY	-50 ~ +85°C, 10 ~ 95% RH							
	TEMP. COEFFICIENT	± 0.04%/°C (0 ~ 50°C)							
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes							
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved							
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC							
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH							
	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3							
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-2, heavy industry level, criteria A							
OTHERS	MTBF	238.8K hrs min. MIL-HDBK-217F (25°C)							
	DIMENSION	159*97*38mm (L*W*H)							
	PACKING	0.61Kg; 24pcs/15.6Kg/0.76CUFT							
NOTE		1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) 5. Derating may be needed under low input voltages. Please check the derating curve for more details.							

Mechanical Specification

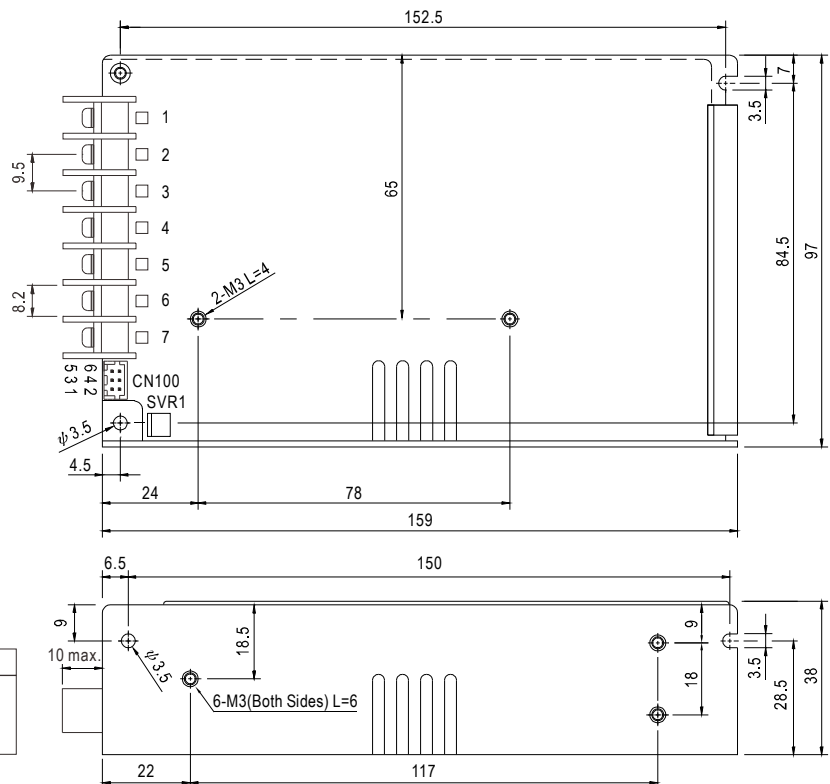
Case No.901I Unit:mm

Terminal Pin No. Assignment :

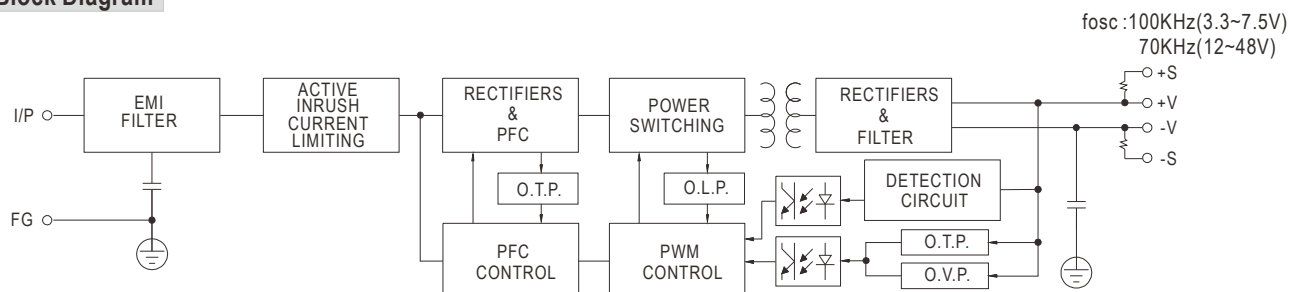
Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4,5	DC OUTPUT -V
2	AC/N	6,7	DC OUTPUT +V
3	FG		

Connector Pin No. Assignment (CN100) :

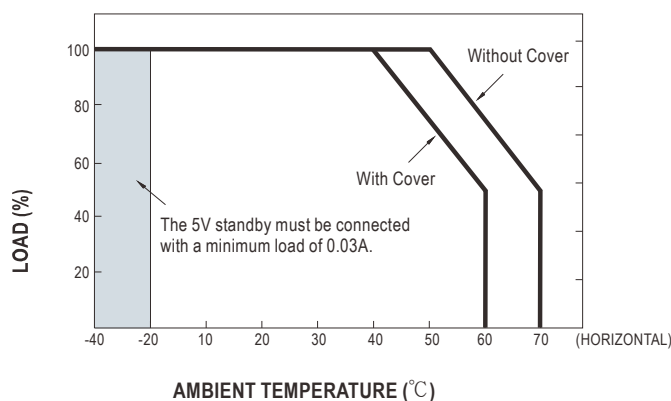
Pin No.	Assignment	Mating Housing	Terminal
1	-S	HRS DF11-6DS or equivalent	HRS DF11-6**SC or equivalent
2	+S		
3~6	NC		



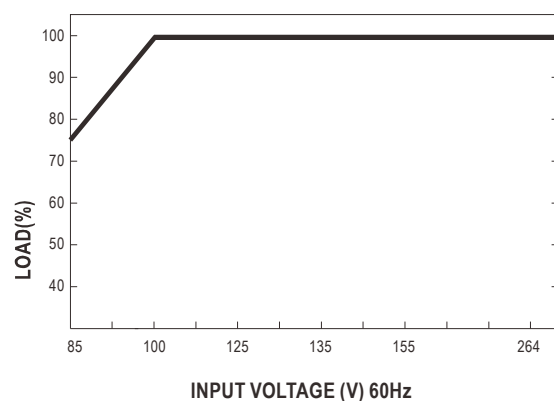
Block Diagram



Derating Curve



Output Derating VS Input Voltage

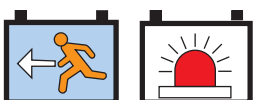


Industrial Batteries / Network Power

Powerfit S100



»The compact energy package
for more security«



Powerfit[®]

Powerfit S100

The compact all-rounder

GNB's Powerfit S100 are general purpose batteries designed to deliver high performance in case of power interruptions. They are the ideal solution for applications such as security & alarm systems, emergency lighting, signaling, and any other UPS application where compact and reliable back-up power is key.

Specifications:

- > Rechargeable VRLA batteries in which the electrolyte is fixed in a glass mat (with very fine glass fibres)
- > Perfect combination of energy storage performance and reliability
- > Maintenance-free (no topping up) during the whole service life
- > Nominal capacity 1.2 – 38 Ah
- > 3-5 years design life at 20 °C ambient temperature (80% re-maining capacity)
- > Container in ABS Material
- > Designed in accordance with IEC 60896-21/22
- > Grid plate construction consisting of a lead calcium alloy
- > Low gas emission due to high gas recombination of 99%
- > Low self-discharge rate (about 3% / month at 20 °C)
- > Trouble-free transport of operational blocks, no restrictions for rail, road, sea and air transportation (IATA, DGR clause A67)
- > Completely recyclable

Technical characteristics and data

Type	Part number	Nom-voltage V	Nom. capacity C ₂₀ 1.80 Vpc 25 °C Ah	C ₁₀ 1.75 Vpc 25 °C Ah	C ₁ 1.6 Vpc 25 °C Ah	Length* (l) mm	Width* (b/w) mm	Height* (h) mm	Weight ca. kg	Internal-resistance acc. to IEC 60896-21 mΩ	Max. discharge current f. 5 sec. A	Terminal
S106/1.2 S	NAS10601D2VW0SA	6	1.20	1.14	0.73	97.0	24.0	57.5	0.29	65.0	18.0	S-4.8
S106/4.5 S	NAS10604D5VW0SA	6	4.50	4.27	2.73	70.0	47.0	106	0.81	25.0	67.5	S-4.8
S106/12 SR	NAS1060012VW0RA	6	12.0	11.5	7.54	151	51.0	100	1.80	15.0	180	SR-6.3
S112/1.2 S	NAS11201D2VW0SA	12	1.20	1.14	0.73	97.0	43.0	58.0	0.57	90.0	18.0	S-4.8
S112/1.9 S	NAS11201D9VW0SA	12	1.90	1.80	1.15	178	35.0	65.0	0.87	80.0	28.5	S-4.8
S112/4.5 S	NAS11204D5VW0SA	12	4.50	4.27	2.73	90.0	70.0	107	1.48	40.0	67.5	S-4.8
S112/7.2 S	NAS11207D2VW0SA	12	7.20	6.82	4.44	151	65.0	99.0	2.35	22.0	108	S-4.8
S112/7.2 SR	NAS11207D2VW0RA	12	7.20	6.82	4.44	151	65.0	99.0	2.35	22.0	108	SR-6.3
S112/9 SR	NAS1120009VW0RA	12	9.00	8.06	5.31	151	65.0	99.0	2.45	18.0	127.5	SR-6.3
S112/12 S	NAS1120012VW0SA	12	12.0	11.5	7.54	151	98.0	101	3.50	14.0	180	S-4.8
S112/12 SR	NAS1120012VW0RA	12	12.0	11.5	7.54	151	98.0	101	3.50	14.0	180	SR-6.3
S112/18 G6	NAS1120018VW0BA	12	18.0	17.2	11.3	181.5	77.0	167.5	5.40	16.0	270	G-M6
S112/26 G6	NAS1120026VW0BA	12	26.0	24.8	16.3	166	175	125	8.00	14.0	390	G-M6
S112/38 F6	NAS1120038VW0FA	12	38.0	38.0	23.2	197	165	170	12.20	10.0	456	F-M6

* ± 2 mm



Nominal capacity
1.2 – 38 Ah
C₂₀



Block battery



Grid plate



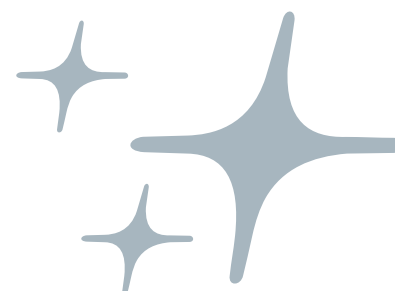
Recyclable



Valve regulated
lead-acid
batteries



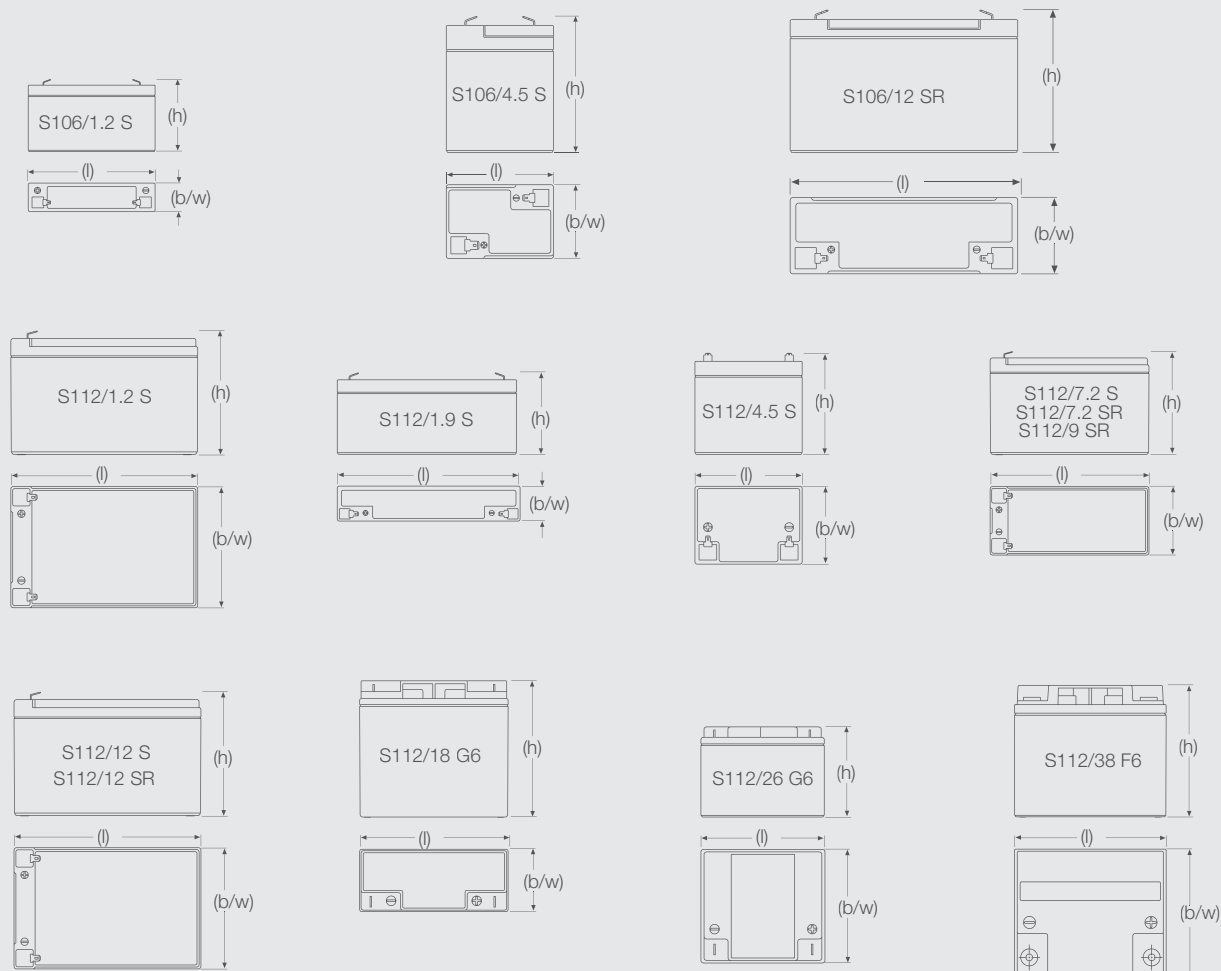
Maintenance-free (no
topping up)



Powerfit S100

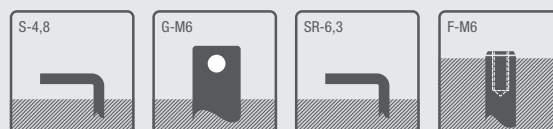
The compact energy source with high performance

Dimensions



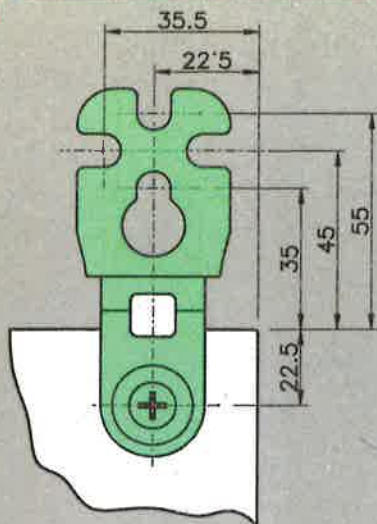
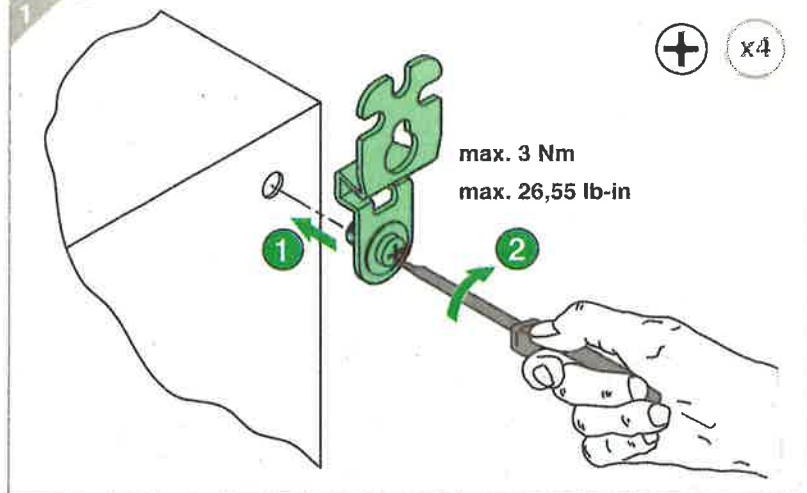
Container and terminal

> **Container:** ABS

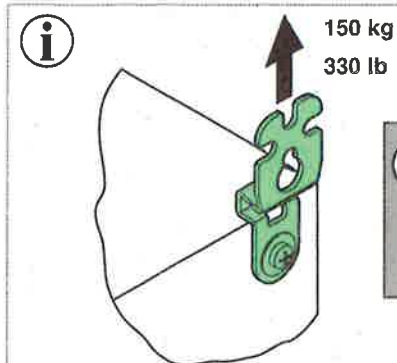


Applications

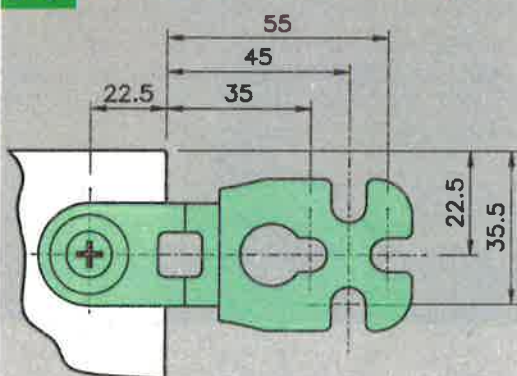
In addition to their suitability for general applications in security systems, the Powerfit S100 batteries are a reliable energy source for emergency lighting.

A**NSYAEFPSC ... NSYAEFPFXSC****1****x4**

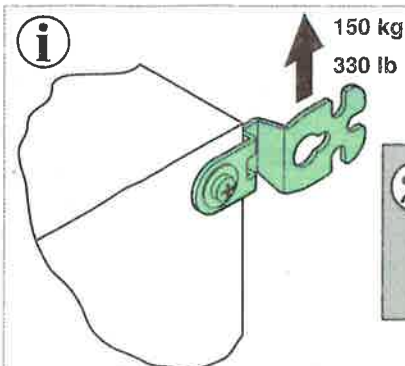
max. 3 Nm
max. 26,55 lb-in

i

 **Ne pas utiliser pour des charges dynamiques !**
Do not use for dynamics loads !

A'**NSYAEFPSC ... NSYAEFPFXSC****1****x4**

max. 3 Nm
max. 26,55 lb-in

i

 **Ne pas utiliser pour des charges dynamiques !**
Do not use for dynamics loads !