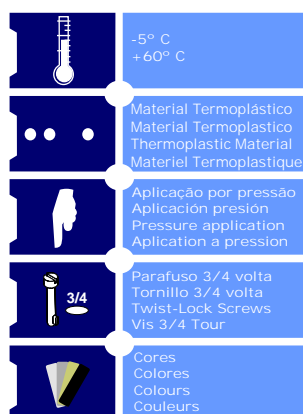
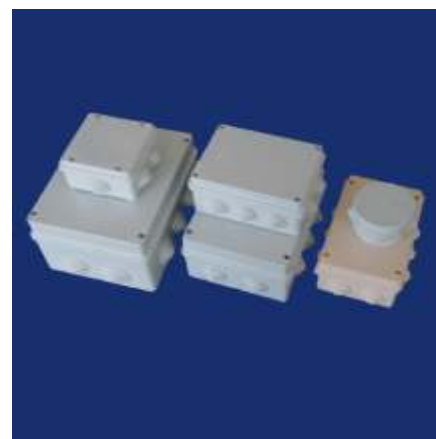


► Caixas Estanques  
com Boquilhas► Cajas Estancas  
con Conos► Cable Junction  
Enclosures with  
Stepped Rubber Grommets► Boîtes de Déivation  
Etanches avec Embouts  
à Gradin

750°



A gama de caixas JSL é produzida em 3 linhas diferentes de acordo com as exigências regulamentares de instalação, no que ao ensaio de resistência ao fio incandescente diz respeito:

**M3 750°** Caixas de derivação para instalações em todo o tipo de circuitos de instalação normal.

**M2 850°** Caixas de derivação ou invólucros para quadros eléctricos e/ou para instalação em paredes ocas ou locais recebendo publico.

**M0 960°** Caixas de derivação para instalações de segurança, instalações com risco de incêndio, saídas de emergência e/ou locais recebendo trabalhadores.

La gama de cajas estancas JSL esta fabricada en 3 líneas diferentes conforme las exigencias reglamentarias de instalación, en lo que respecta al ensayo sobre el hilo incandescente:

**M3 750°** Cajas de derivación para la instalación en todo el tipo de circuitos de instalación normal.

**M2 850°** Cajas de derivación ó envoltentes para cuadros para instalación en paredes huecas ó locales recibiendo el público.

**M0 960°** Cajas de derivación para instalación de circuitos de seguridad ó locales recibiendo trabajadores.

The JSL enclosures range is produced in three different glow wire test resistance executions, according to the installation rules:

**M3 750°** For normal electrical installations.

**M2 850°** For electrical installations in plaster, public buildings, schools.

**M0 960°** For electrical security installations, emergency exits, fire risk locals or worker's places.

La gamme de boîtes JSL est fabriquée dans 3 exécutions différentes, dans ce qui concerne au tenue au fil incandescent, conformément les exigences réglementaires de l'installation:

**M3 750°** Boîtes de dérivation dans tout type de circuits d'installation normale (logement et industrie).

**M2 850°** Boîtes de dérivation ou enveloppes de tableaux électriques et dans des cloisons sèches ou dans des locaux recevant du public, écoles.

**M0 960°** Boîtes de dérivation pour installation de circuits de sécurité et locaux recevant des travailleurs.

REF		Dim. (mm)	IP	IK	Nº			ØCAB.	
219-B		80X45	54	08	4	750°	4 PG21	3,5-23,5	8/80
220-B		80X80X50	54	08	4	750°	7 PG16	3,5-20	10/100
222-B		100X100X55	54	09	6	750°	6 PG21	3,5-23,5	1/90
221-B		150X110X70	54	09	10	750°	10 PG21	3,5-23,5	1/48
223-B		175X110X66	54	09	10	750°	10 PG21	3,5-23,5	1/42
223-BTA		175X110X83	54	09	10	750°	10 PG21	3,5-23,5	1/36
225-B		190X150X70	54	09	10	750°	10 PG21	3,5-32	1/27
225-BTA		190X150X83	54	09	10	750°	10 PG21	3,5-32	1/22
224-B		220X170X120	54	09	10	750°	2 PG29 + 8 PG21	3,5-32	1/12
226-B		220X170X105	54	09	10	750°	2 PG29 + 8 PG21	3,5-32	1/14

► Caixas Estanques  
com Boquilhas► Cajas Estancas  
con Conos► Cable Junction  
Enclosures with  
Stepped Rubber Grommets► Boîtes de Déivation  
Etanches avec Embouts  
à Gradin

	-5° C +60° C
	Material Termoplástico Material Termoplastico Thermoplastic Material Materiel Termoplastique
	Aplicação por pressão Aplicación presión Pressure application Application a pression
	Parafuso 3/4 volta Tornillo 3/4 volta Twist-Lock Screws Vis 3/4 Tour
	Cores Colores Couleurs Gouleurs



850°

REF		Dim. (mm)	IP	IK	N°			ØCAB.	
219-B/M2		80X45	54	08	4	850°	4 PG21	3,5-23,5	8/80
220-B/M2		80X80X50	54	08	4	850°	7 PG16	3,5-20	10/100
222-B/M2		100X100X55	54	09	6	850°	6 PG21	3,5-23,5	1/90
221-B/M2		150X110X70	54	09	10	850°	10 PG21	3,5-23,5	1/48
223-B/M2		175X110X66	54	09	10	850°	10 PG21	3,5-23,5	1/42
223-BTA/M2		175X110X83	54	09	10	850°	10 PG21	3,5-23,5	1/36
225-B/M2		190X150X70	54	09	10	850°	10 PG21	3,5-32	1/27
225-BTA/M2		190X150X83	54	09	10	850°	10 PG21	3,5-32	1/22
224-B/M2		220X170X120	54	09	10	850°	2 PG29 + 8 PG21	3,5-32	1/12
226-B/M2		220X170X105	54	09	10	850°	2 PG29 + 8 PG21	3,5-32	1/14

960°

REF		Dim. (mm)	IP	IK	N°			ØCAB.	
219-B/M0		80X45	54	08	4	960°	4 PG21	3,5-23,5	8/80
220-B/M0		80X80X50	54	08	4	960°	7 Pg16	3,5-20	10/100
222-B/M0		100X100X55	54	09	6	960°	6 PG21	3,5-23,5	1/90
221-B/M0		150X110X70	54	09	10	960°	10 PG21	3,5-23,5	1/48
223-B/M0		175X110X66	54	09	10	960°	10 PG21	3,5-23,5	1/42
223-BTA/M0		175X110X83	54	09	10	960°	10 PG21	3,5-23,5	1/36
225-B/M0		190X150X70	54	09	10	960°	10 PG21	3,5-32	1/27
225-BTA/M0		190X150X83	54	09	10	960°	10 PG21	3,5-32	1/22
224-B/M0		220X170X120	54	09	10	960°	2 PG29 + 8 PG21	3,5-32	1/12
226-B/M0		220X170X105	54	09	10	960°	2 PG29 + 8 PG21	3,5-32	1/14

► Caixas Estanques  
com Paredes Lisas► Cajas Estancas  
con Paredes Lisas► Cable Junction Enclosures  
with Plain Walls► Boîtes de Dérivation  
Etanches non percées

	-5° C +60° C
	Material Termoplástico Material Termoplástico Thermoplastic Material Materiel Termoplastique
	Aplicação por pressão Aplicación presión Pressure application Application a pression
	Parafuso 3/4 volta Tornillo 3/4 volta Twist-Lock Screws Vis 3/4 Tour
	Parafusos aço Tornillos acero Steel screws Vis Metalique

	Chave Yave Key Cléa
	Cores Colores Colours Couleurs

750°



A gama de caixas JSL é produzida em 3 linhas diferentes de acordo com as exigências regulamentares de instalação, no que ao ensaio de resistência ao fio incandescente diz respeito:

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**M0 960°** Caixas de derivação para instalações de segurança, instalações com risco de incêndio, saídas de emergência e/ou locais recebendo trabalhadores.

La gama de cajas estancas JSL esta fabricada en 3 líneas diferentes conforme las exigencias reglamentarias de instalación, en lo que respecta al ensayo sobre el hilo incandescente:

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**M2 850°** Cajas de derivación o envoltorios para cuadros para instalación en paredes huecas o locales recibiendo el público.

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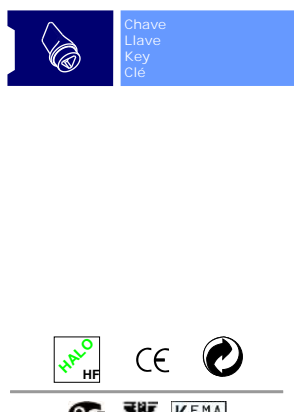
La gamme de boîtes JSL est fabriquée dans 3 exécutions différentes, dans ce qui concerne au tenue au fil incandescent, conformément les exigences réglementaires de l'installation:

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**M2 850°** Boîtes de dérivation ou enveloppes de tableaux électriques et dans des cloisons sèches ou dans des locaux recevant du public, écoles.

**M0 960°** Boîtes de dérivation pour installation de circuits de sécurité et locaux recevant des travailleurs.

REF		Dim. (mm)	IP	IK				
220-L		80X80X50	55	08		750°		10/100
222-L		100X100X55	65	09		750°		1/102
221-L		150X110X70	65	09		750°		1/51
223-L		175X110X66	65	09		750°		1/45
223-LTA		175X110X83	65	09		750°		1/36
225-L		190X150X70	65	09		750°		1/29
225-LTA		190X150X83	65	09		750°		1/24
226-L		220X170X105	65	09		750°		1/17
224-L		220X170X120	65	09		750°		1/14
MF-242		330X280X175	65	09	○●	750°		1
MF-244		430X390X175	54	09	○●	750°		1
321		80X80X42	54	08		750°		1/80
322		103X103X45,5	54	08		750°		1/84
323		160X102X55	54	08		750°		1/58

► Caixas Estanques  
com Paredes Lisas► Cajas Estancas  
con Paredes Lisas► Cable Junction Enclosures  
with Plain Walls► Boîtes de Dérivation  
Etanches non percées

850°



















































REF		Dim. (mm)	IP	IK				
220-L/M2		80X80X50	55	08		850°		10/100
222-L/M2		100X100X55	65	09		850°		1/102
221-L/M2		150X110X70	65	09		850°		1/51
223-L/M2		175X110X66	65	09		850°		1/45
223-LTA/M2		175X110X83	65	09		850°		1/36
225-L/M2		190X150X70	65	09		850°		1/29
225-LTA/M2		190X150X83	65	09		850°		1/24
226-L/M2		220X170X105	65	09		850°		1/17
224-L/M2		220X170X120	65	09		850°		1/14
242-MF/M2		330X280X175	65	09	○●	850°		1
244-MF/M2		430X390X175	54	09	○●	850°		1

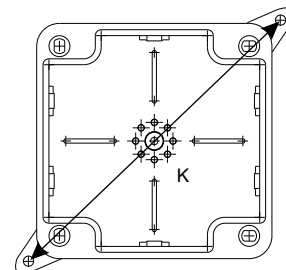
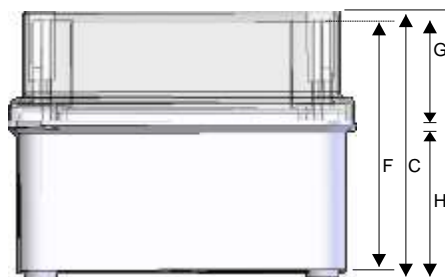
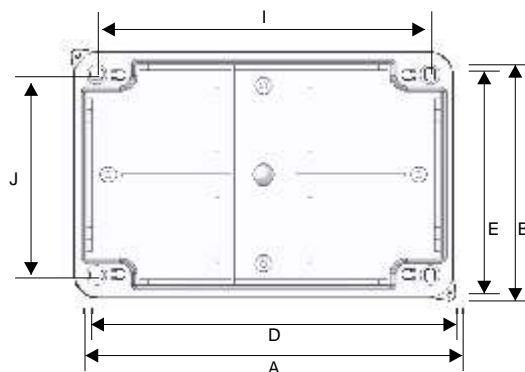
960°

REF		Dim. (mm)	IP	IK				
220-L/M0		80X80X50	55	08		960°		10/100
222-L/M0		100X100X55	65	09		960°		1/102
221-L/M0		150X110X70	65	09		960°		1/51
223-L/M0		175X110X66	65	09		960°		1/45
223-LTA/M0		175X110X83	65	09		960°		1/36
225-L/M0		190X150X70	65	09		960°		1/29
225-LTA/M0		190X150X83	65	09		960°		1/24
226-L/M0		220X170X105	65	09		960°		1/17
224-L/M0		220X170X120	65	09		960°		1/14
242-MF/M0		330X280X175	65	09	○●	960°		1
244-MF/M0		430X390X175	54	09	○●	960°		1



► Caixas Estanques  
com Tapa  
Transparente► Cajas Estancas  
con Tapa  
Transparente► Cable Junction  
Enclosures with  
Transparent Covers► Boîtes de Dérivation  
Etanches avec  
Couvercle Transparente-5° C  
+60° CMaterial Termoplástico  
Material Termoplastico  
Thermoplastic Material  
Matériel TermoplastiqueCores  
Colores  
Couleurs  
CouleursParafuso 3/4 volta  
Tornillo 3/4 volta  
Twist-Lock Screws  
Vis 3/4 TourChave  
Llave  
Key  
CléBoquilha  
Cono  
Stepped Rubber Grommet  
Embouts À GradinEntradas Marcadas  
Entradas Marcadas  
Pre-Moulded Knock-Outs  
Entrées Percées

REF			Dim. (mm)	IP	IK	Nº 					Ø CAB.	
221-ATR	-M3/M2/M0		150x110x70	65	09		10	PG16	750°/850°/960°	11 - 14	1/51	
221-AMTR	-M3/M2/M0		150x110x70	65	09		10	6 M20+4 M25	750°/850°/960°	11 - 14	1/51	
221-BTR	-M3/M2/M0		150x110x70	54	09		10	PG21	750°/850°/960°	3,5-23,5	1/48	
221-LTR	-M3/M2/M0		150x110x70	65	09				750°/850°/960°		1/51	
223-ATR	-M3/M2/M0		175x110x66	65	09		10	PG16	750°/850°/960°	11-14	1/45	
223-AMTR	-M3/M2/M0		175x 110x66	65	09		10	M20/M25	750°/850°/960°	11-14	1/45	
223-BTR	-M3/M2/M0		175x110x66	54	09		10	PG21	750°/850°/960°	3,5-23,5	1/42	
223-LTR	-M3/M2/M0		175x110x66	65	09				750°/850°/960°		1/45	
223-ATATR	-M3/M2/M0		175x110x83	65	09		10	PG16	750°/850°/960°	11-14	1/36	
223-ATAMTR	-M3/M2/M0		175x119x83	65	09		10	M20/M25	750°/850°/960°	11-14	1/36	
223-BTATR	-M3/M2/M0		175x110x83	54	09		10	PG 21	750°/850°/960°	3,5-23,5	1/36	
223-LTATR	-M3/M2/M0		175x110x83	65	09				750°/850°/960°		1/36	
225-ATR	-M3/M2/M0		190x150x70	65	09		10	2 PG29+8 PG21	750°/850°/960°	14-25	1/29	
225-AMTR	-M3/M2/M0		190x150x70	65	09		10	6 M20+4 M25	750°/850°/960°	14-25	1/29	
225-BTR	-M3/M2/M0		190x150x70	54	09		10	PG21	750°/850°/960°	3,5-32	1/27	
225-LTR	-M3/M2/M0		190x150x70	65	09				750°/850°/960°		1/29	
225-ATATR	-M3/M2/M0		190x150x83	65	09		10	2 PG29+8 PG21	750°/850°/960°	14-25	1/24	
225-ATAMTR	-M3/M2/M0		190x150x83	65	09		10	6 M20+4 M25	750°/850°/960°	14-25	1/24	
225-BTATR	-M3/M2/M0		190x150x83	54	09		10	PG21	750°/850°/960°	3,5-32	1/22	
225-LTATR	-M3/M2/M0		190x150x83	65	09				750°/850°/960°		1/24	
224-ATR	-M3/M2/M0		220x170x120	65	09		10	2 PG29+8 PG21	750°/850°/960°	14-25	1/14	
224-AMTR	-M3/M2/M0		220x170x120	65	09		10	M25	750°/850°/960°	14-25	1/14	
224-BTR	-M3/M2/M0		220x170x120	54	09		10	2 PG29+8 PG21	750°/850°/960°	3,5-32	1/12	
224-LTR	-M3/M2/M0		220x170x120	65	09				750°/850°/960°		1/14	
226-ATR	-M3/M2/M0		220x170x105	65	09		10	2 PG29+8 PG21	750°/850°/960°	14-25	1/14	
226-AMTR	-M3/M2/M0		220x170x105	65	09		10	M25	750°/850°/960°	14-25	1/17	
226-BTR	-M3/M2/M0		220x170x105	54	09		10	2 PG29+8 PG21	750°/850°/960°	3.5 - 32	1/14	
226-LTR	-M3/M2/M0		220x170x105	65	09				750°/850°/960°		1/17	
MFTR-242	-M3/M2/M0		330x280x175	65	09				750°/850°/960°		1	
MFTRP-242	-M3/M2/M0		330x280x175	65	09				750°/850°/960°		1	
MFTR-244	-M3/M2/M0		430x390x175	54	09				750°/850°/960°		1	
MFTRP-244	-M3/M2/M0		430x390x175	54	09				750°/850°/960°		1	

► Dimensões  
(mm)► Dimensiones  
(mm)► Dimensions  
(mm)► Dimentions  
(mm)

	EXT			INT			G	H	I	J	K
	A	B	C	D	E	F					
219	85		50	80		45	8	42	54	54	
220	85	85	55	80	80	50	11	44	59	59	
222	105	105	55	100	100	50	18	37	83	83	
221	155	115	75	150	110	70	22	53	100	79	
223	180	115	71	175	110	66	23	48	155	92	
223 TA	180	115	88	175	110	83	40	48	155	92	
225	195	155	75	190	150	70	22	53	175	135	
225 TA	195	155	88	190	150	83	35	53	175	135	
224	225	175	125	220	170	120	35	90	203	154	
226	225	175	110	220	170	105	20	90	203	154	
320	85	85	47	80	80	42	8	39			121
321	85	85	47	80	80	42	8	39			121
322	110	110	60	103	103	45,5	12	48			148
323	174	113	60	160	102	55	11	119			188
620	91	91	50	86	86	34	10	40			130
621	91	91	50	86	86	34	10	40			130
622	105	105	55	101	101	42	8	47	45	45	
623	133	133	66	126	126	54	8	58	86	86	
624	157	157	74	152	152	58	10	64	107	107	