

Technical Guide

INDICES VK®

VK® vandal resistance rating

Indice VK®	1 st position	2 nd position	(3 rd position)
0	< 10 joules	no protection	no protection
1	10 joules (*)	standard fastenings	flame resistance
2	20 joules (*)	vandal-resistant fastenings (or secure closure)	graffiti resistance
3	50 joules (*)	rip-out resistant	increased UV resistance (tropicalization)
4	80 joules	rip-out-resistant + standard fastenings	resistance to marine environment
5	100 joules	rip-out-resistant + vandal-resistant fastenings	-
6	120 joules	anti-ligature + vandal-resistant fastenings	-
7	150 joules	-	-

By virtue of their characteristics, anti-ligature luminaires are also rip-out-resistant.

The figure in the 3rd position is optional.

* Standardized values as per EN 62262: see IK rating

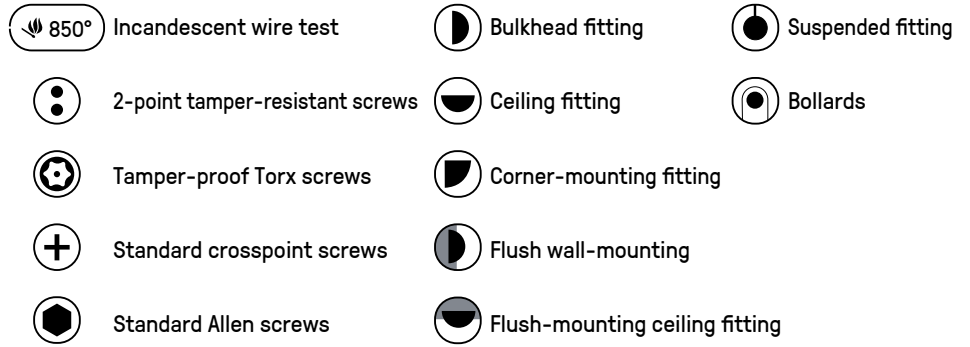
INDICES IK

NF EN 62262 standard IK rating for resistance to mechanical impacts

Impact resistance	Mass / Drop height
IK 1 / 0,140 joule	0,25 kg : 56 mm
IK 2 / 0,20 joule	0,25 kg : 80 mm
IK 3 / 0,35 joule	0,25 kg : 140 mm
IK 4 / 0,50 joule	0,25 kg : 200 mm
IK 5 / 0,70 joule	0,25 kg : 280 mm
IK 6 / 1 joule	0,25 kg : 400 mm
IK 7 / 2 joules	0,50 kg : 400 mm
IK 8 / 5 joules	1,70 kg : 300 mm
IK 9 / 10 joules	5 kg : 200 mm
IK 10 / 20 joules	5 kg : 400 mm
IK 11 / 50 joules	10 kg : 500 mm
IK 11+ / 80 joules	10 kg : 800 mm
IK 11++ / 100 joules	15 kg : 800 mm
IK 11++ / 120 joules	20 kg : 800 mm
IK 11++ / 150 joules	25 kg : 800 mm

The EN 62262 standard provides for a maximum resistance of IK11 = 50 joules.

PICTOGRAMS



IP RATINGS

1st figure:
Protection against penetration by solid objects and contact with live parts.

2nd figure:
Protection against liquid penetration.

IP 0_		No protection	IP_0		No protection
IP 1_		Protected against solid bodies larger than 50 mm (e.g. hand contact)	IP_1		Protected against vertical water drops
IP 2_		Protected against solid bodies larger than 12.5 mm (e.g. finger)	IP_2		Protected against water drops up to 15° from the vertical
IP 3_		Protected against solid bodies larger than 2.5 mm (e.g. tools, wires)	IP_3		Protected against rain up to 60° from the vertical
IP 4_		Protected against solid bodies larger than 1 mm (e.g. fine tools, nails)	IP_4		Protected against water splashing from any directions
IP 5_		Protected against dust	IP_5		Protected against low-pressure water jets from any direction using a lance
IP 6_		Totally protected against dust	IP_6		Protected against high-pressure water jets from any direction
			IP_7		Protected against the effects of immersion
			IP_8		Equipment submersible under specified conditions

IK and VK ratings, please see catalogue pages 256.

CLASSIFICATIONS OF ELECTRICAL APPLIANCES

	Class I	Luminaire with functional insulation and with metal parts earthed. Earth connection obligatory.
	Class II	Luminaire with double or increased insulation of the active parts. No earth connection.
	Class III	Class II luminaire with additional protection achieved by powering from an SELV supply (Safety Extra-Low Voltage, U < 50 V AC).

PRODUCTS CLASSIFIED BY VK® RATING

Indice VK®							
21	Fila ² Osmo Fila ² Signage	Fila ² Osmo Fila ² Signage			Senspot	Fila ² Fila ² Signage	
22	Fila ² (VRS)	Fila ² (VRS)	Soffite			Fila ² (VRS) Systeo Unit / S / Slim	Decade
25	Captain Effice (general lighting) Systeo Unit/ S / Slim Osmo vandal-resistant	Captain Effice (general lighting) Effice Corridor Effice Stairway Systeo Unit / S / Slim Osmo vandal-resistant					
26	Voila Voila Access Voila Start Voila Asymmetrical Voila Access Asymmetrical	Voila Voila Access Voila Start					
32					Vandal-resistant Senspot		
35	Bang Round / Square / Rectangle Bang Round / Square / Rectangle Access						
36	P600 A	Bang Round Bang Square Bang Rectangle		P600 E			
41	Fila	Fila				Fila	
42	Fila (-VRS)	Fila (-VRS)				Fila (-VRS)	
44	Casemate						
45	Titan Compact Aleane Aleane Asymmetrical Vauban A ASL Systeo S / Slim	Aleane Aleane Asymmetrical Systeo S / Slim	Systeo A45 Titan Compact Angle	Systeo E	Systeo E		
46	Borgo Borgo Prison Mini-Borgo Prison	Titan Compact Vauban A ASL		Titan Compact E Vauban E ESL Brikette	Titan Compact E		
65	Rondo / Rondino Rueda Aki / Akita Titan C95 Titan S3						
66		Rondo / Rondino Titan C95 Titan S3	Titan A45 / A30 Titan S2 Titan video CCTV	Rondo / Rondino* Rueda* Aki / Akita* Titan E Titan S4	Rondo / Rondino*		
75	Urbaline						
76		Urbaline	Urbaline				

* flush-mounting version (option 9802)