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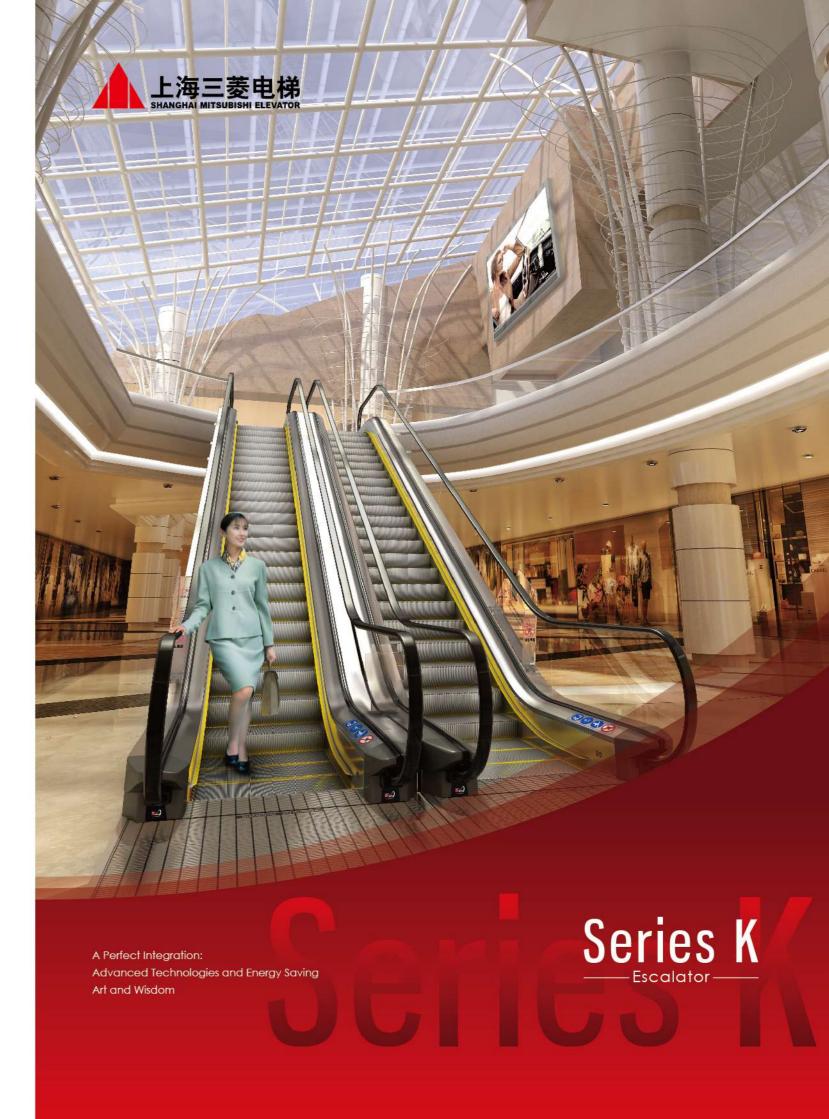
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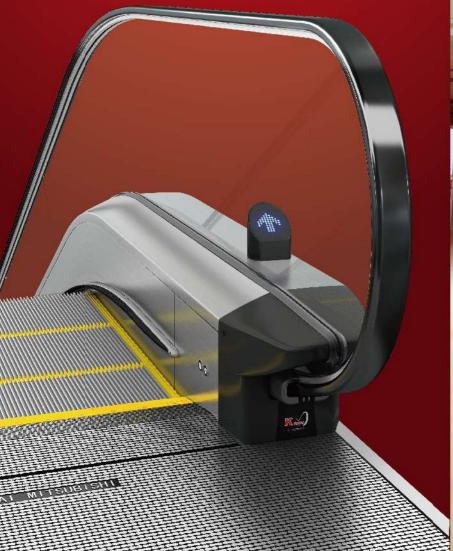
Specifications subject to change without notice Printed in May. 2016 (GB-K)



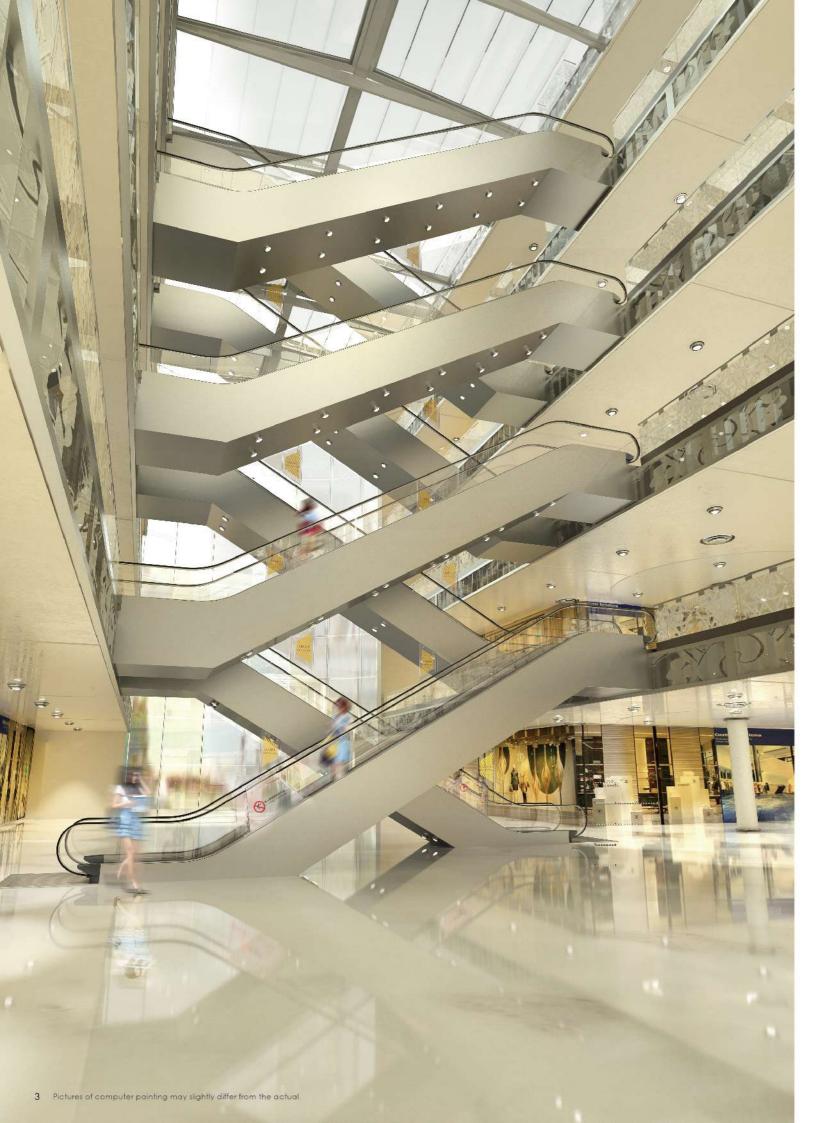
Series K | Escalator

Excellent Quality Supported by Technological Advantages

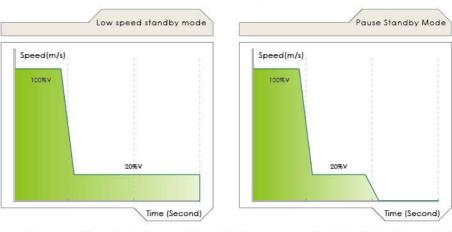
Shanghai Mitsubishi Elevator (SMEC) has elite employees and world-class manufacturing equipment, processing accomplished manufacture system and abundant experience. Inheriting consistent technical advantage from Mitsubishi Elevator and keep pursuit of human comfortable needs, SMEC creates humanized high-tech product. This smooth, comfortable and highly efficient K series escalator developed by SMEC gives users comfortable, stable, safety riding feeling. Meeting different requirements of use conditions, K series escalator can be applicable to various locations like malls, business buildings, hotels and etc...







Frequency-variable Specification Energy Saving



n case of frequency-variable specification, there are multiple ways detecting passenger flow, achieving intermittent operation, standby of escalator so as to avoid unnecessary operation and save the energy.

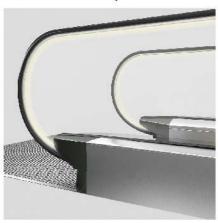
Energy Efficient, Space Saving

High-precision Helical Gear



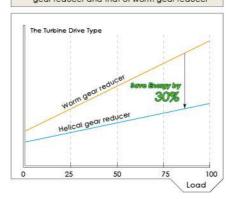
The high-precision helical reducer starts smoothly and quietly. It's more efficient than traditional turbine worm reducer which ensured outstanding energy efficiency.

LED Illumination Energy-efficient and Environment Friendly



Handrail illumination, skirt illumination, comb tooth illumination, illumination below step, all these illuminations adopt LED illumination system completely, significantly improving quality, environment friendly and energy efficient, safe and reliable.

Comparison between the efficiency of helical gear reducer and that of worm gear reducer



Data comparison between energy efficiency of LED illumination and traditional illumination



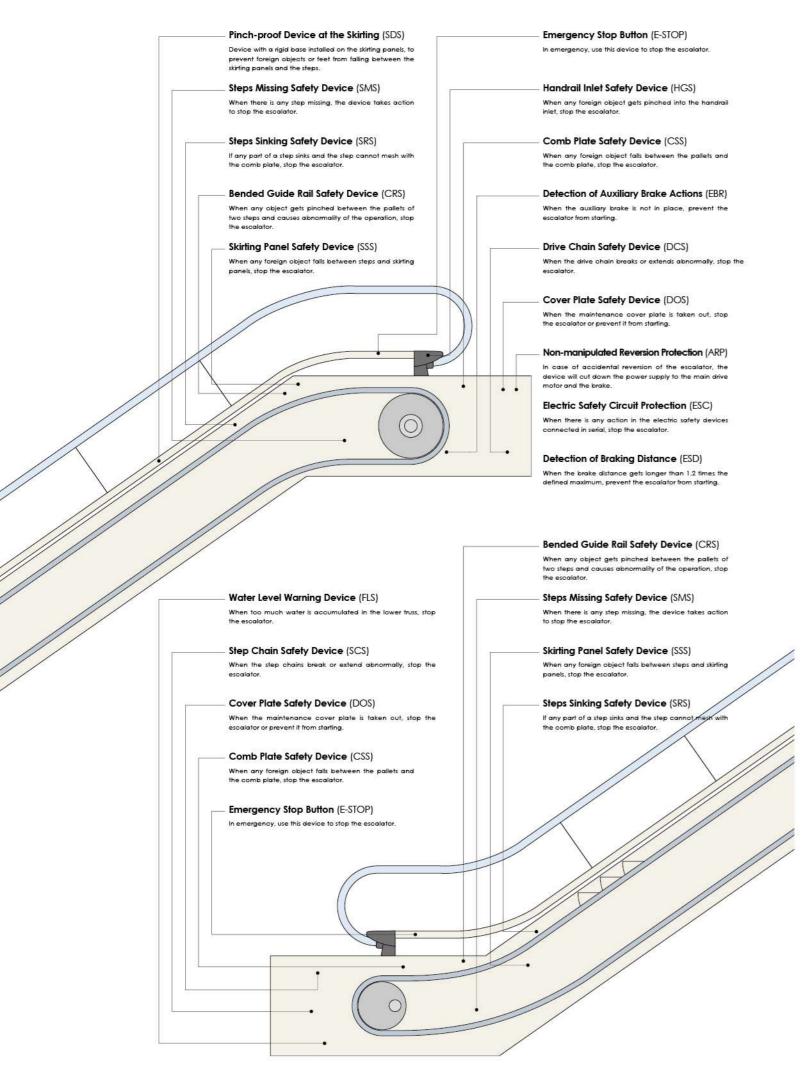
Note: take KS-LB escalator with lifting height 4.5m as an example



meshing of steps are quiet and smooth.

of steel angles are smaller than that of rectangular steel pipes, and thus the steel angles are less likely to deform.

at the turning section, and reduce the vibration of steps in



Post Type Passenger Detection Device



Mount detection post at upper and lower entrance of escalator, and meanwhile mount operation indicator on detection post to save energy according to the change of passenger flow. Note: it is necessary to mount barrier (by client) to form an enclosed passage, contract SMC for detail.

Built-in Passenger Detection Device



The device is built into the inner side and the front of the tap at the upper and lower inlets and outlets, and forms a large area of induction detection, which could adjust the speed of the escalator according to the amount of passengers loaded and save energy.

K type escalator has provided multiple safety devices. Besides the standard safety devices totally in accordance with GB16899-2011, it can additionally provide other safety devices according to client's needs as an option for further safety performance.

Security System - Humanistic and Reliable

Anti-creeping Device (Optional)



If there is a risk of passengers falling from the escalator, anti-creeping device could be installed onto the external cover plate so that nobody could climb onto the handrail.

Entry Prevention Device



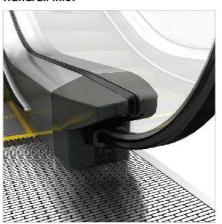
If there are risks of entry and/or falling after entry, please use

Anti-skid Device



If there is the risk of falling of personnel or objects, please use

Handrail Inlet



As a Mitsubishi tradition, the handrail inlet is designed to be hidden, which reduces the risk of pinch by margin. Long and soft protection covers are applied to the handrail inlet, which embodies our strategy of multiple layers of protection.

Pinch-Proof Device at the Skirting

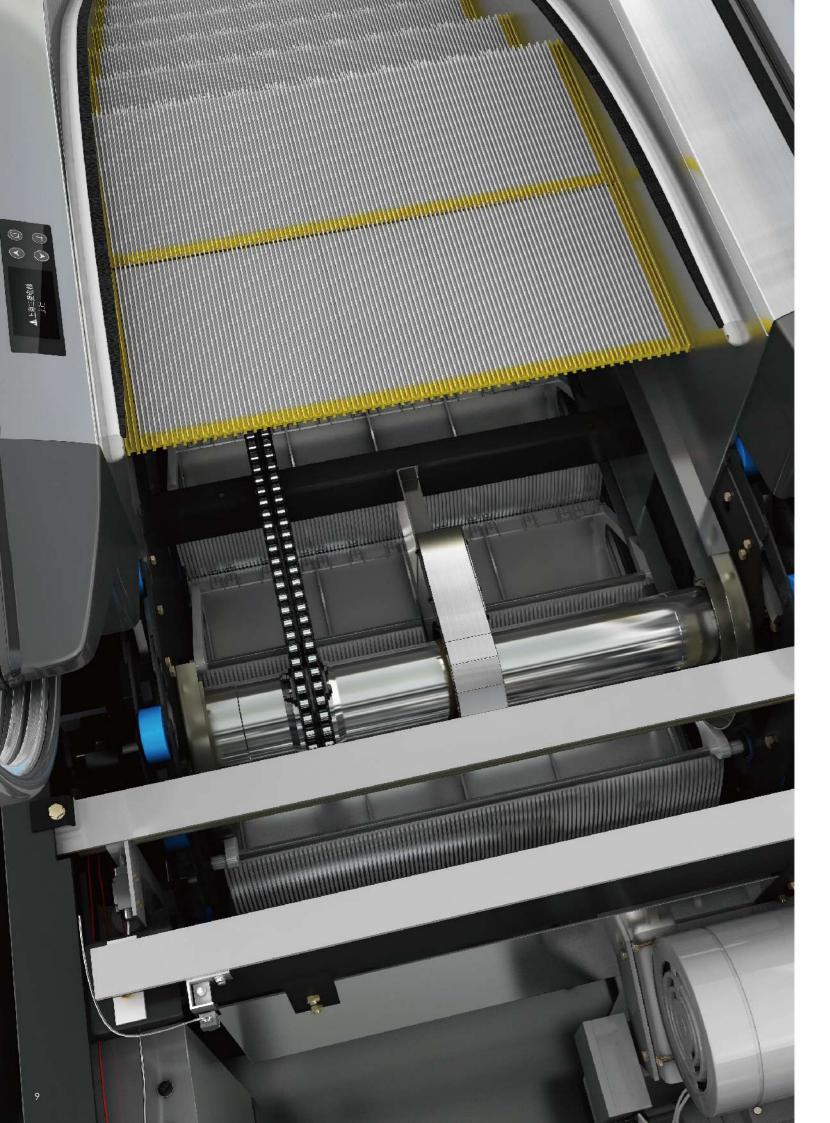


The brush ensures that the passengers will not stand too close to the edge of steps or pinch their feet by accidentally placing their feet between the steps and the skirting panels.

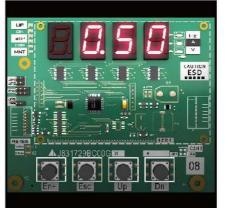
Perpendicular protection barrier (by client)



Warn and remind the passengers minding their head and hands, which as a protection.



Control Panel LED Operation Faceplate



Configure parameter, check operation states and error codes

Control panel LCD operation panel (Option) Multi-function operation panel (Option)



Configure parameter, check operation states and error codes via operation faceplate installed in control panel. Use LCD screen



internal deck, achieving error check, function start and close; It still has good display even in the case of large temperature

Advanced technique **Supreme Experience**

Bypass Frequency Conversion — Energy Saving

When the escalator operates with the nominal speed, cut out the frequency converter automatically and shift to the power grid which could increase the lifespan of the converter significantly. In case of any unrecoverable error with the converter, switch to the power frequency grid manually, and the operations of the escalator will not be blocked. In case of no load, the escalator will automatically switch to low velocity standby or stop standby. Regenerative power from descending would be fed into the grid, which is energy saving and environment friendly.

Phase lock switch technique—Comfort

Special frequency converter independently developed by Mitsubishi has the feature of modularized design and compact size; Advanced "Active Phase Synchronization, Phase Lock Switch Technique", realize smooth change between variable frequency to work frequency.

Function Safety Technology-Safety

Pass the safety verification held by National Special Equipment Authority, and it is listed as the first in the nation passing certification of escalator function safety component PESSRAE held by European authorized German TüV Rheinland; Adopt double channel redundant inspection to ensure the safety function is reliable and effective.

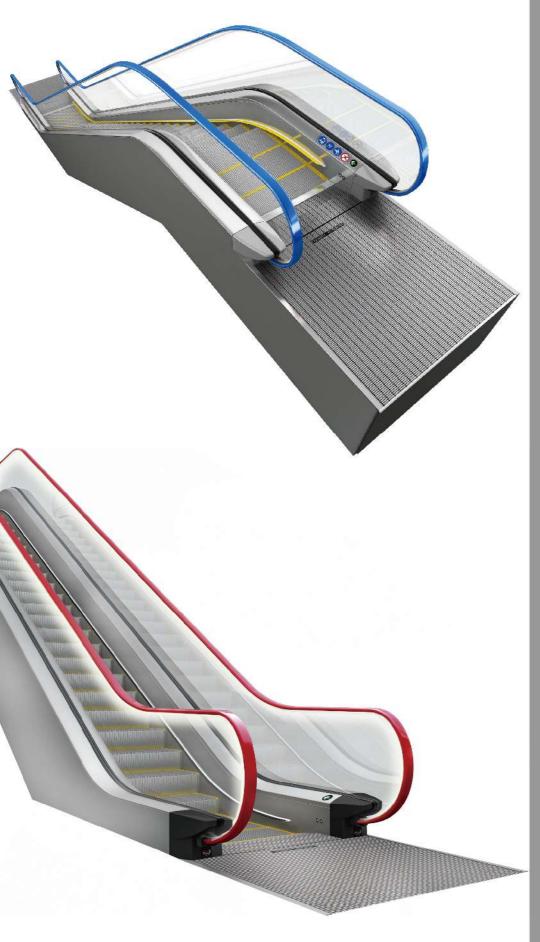
Inspection System of Main Spindle **Absolute Position**

Traditional techniques indirectly inspect escalator speed and operation direction via proximity switch mounted on high speed spindle (motor/reduction rear) so as to determine speeding/non-operational reversal. However, in case drive chain breaks or machine has abnormal displacement, the traditional technique is powerless.

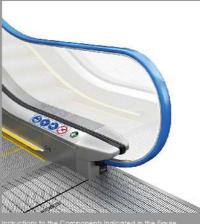
Based on encoding of absolute position, the escalator state inspection technique reads the code value of absolute position code plate mounted on main spindle via absolute position sensor so that precisely acquire current escalator speed and direction.



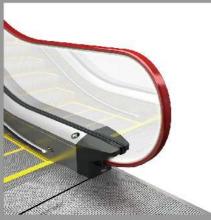




KS-SB / KS-SBF



KS-LB / KS-LBF



The Series-K escalators are simple and smooth in appearance, with first class quality. There are multiple styles to suit with different decorations. There are also different designs of the handrail inlet, which are both stylish and safe.

There are options of fashionable colors for EHC PU handrails and glass, textures for skirt panels and internal and external cover plates, and decoration patterns for the front plate, so as to suit with different environments.

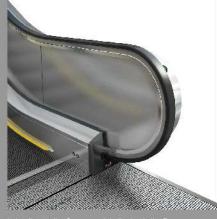
Stainless steel steps and aluminium alloy steps are available, while there are different colors and patterns with or without yellow boundary strips for various situations.

Different LED illumination solutions are also prepared to satisfy customer needs, including illumination below steps, below handrails, and at the skirting.

Fashion and Style – Inspiration of Technologies from Life



KP-B / KP-BF



11 Pictures of computer painting may slightly differ from the actual.



Internal and External Cover Plates





Fine Streak Stainless Steel



Sand Streak Stainless Steel

More options for individualized and even more valuable escalators.

Individualized Decoration –

Your Unique Decoration Solution

Handrail











NT-Black (Standard)

NT-Red (Optional)

NT-Belge (Optional)





NT-Charcoal (Optional)





NT-Brown (Optional)

NT-Green (Optional)

Skirt Panel

NT-Gray (Optional)

Hairline Stainless Steel

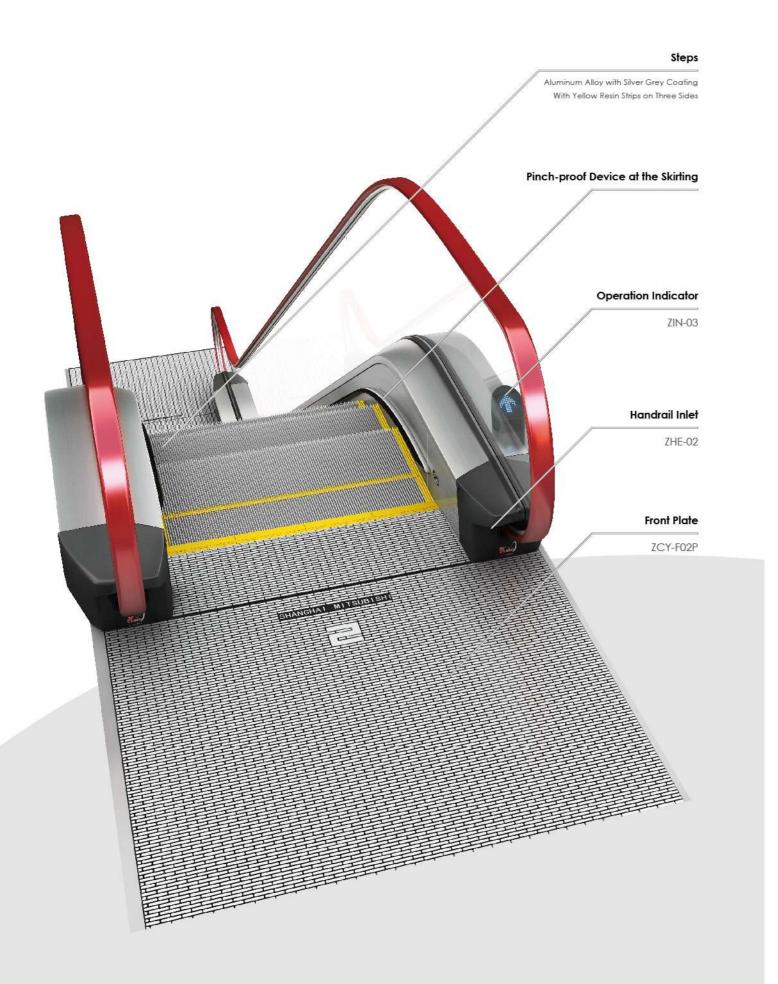




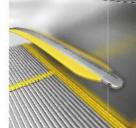




^{*} The specifications selected may cause delay of the lead time. Please contact the Shanghai Mitsubishi Elevator Co. Ltd. to confirm



Pinch-proof Device at the Skirting









Silver base with yellow cleat

Black base with yellow cleat

Silver base with black brush

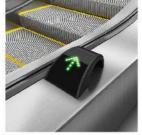
Black base with black brush

Operation Indicator





ZIN-02



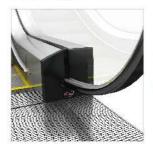


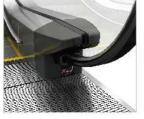
ZIN-03

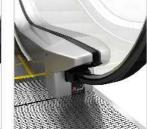
ZIN-01 Only for indoor

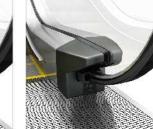
Operations indicator at the handrail newel balustrade (Only for KP-BF)

Handrail Inlet









ZHE-01 Black grey resin square Applicable for outdoor use, only applicable for KP-B/KP-BF

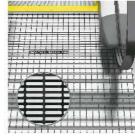
ZHE-02 Black grey resin streamline Except for KP-B/KP-BF, only applicable

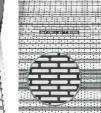
ZHE-02A Silver grey aluminum alloy streamline (Color No.: ZY-028)
Applicable for types other than KP-B/KP-BF

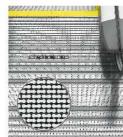
ZHE-02A Black grey aluminum alloy (Color No.: ZY-029)

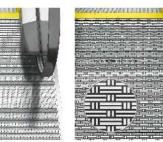
Applicable for types other than KP-B/KP-BF

Front Plate









ZCY-F01P Stainless steel with anti-skid grooves and

ZCY-F02P Stainless steel with anti-skid grooves and black coating inside. (color No. ZDY-027) black coating inside. (color No. ZDY-027) black coating inside. (color No. ZDY-027)

ZCY-F03P Stainless steel with anti-skid grooves and

ZCY-F04P Stainless steel with anti-skid grooves and black coating inside. (color No. ZDY-027)

Steps



No yellow resin strip, black grey coating (Color No. ZDFY-029)



(Color No. ZDFY-028)



Aluminum Alloy Steps black grey coating (Color No. ZDFY-029)



Aluminum Alloy Steps With yellow resin strips on three sides, silver grey coating (Color No. ZDFY-028)



Stainless Steel Steps (Only for indoor) black coating (Color No. ZDFY-027)

^{*} The specifications selected may cause delay of the lead time. Please contact the Shanghai Mitsubishi Elevator Co. Ltd. to confirm



▼Plan 1

External decoration deck seam perpendicular to step operation direction Balustrade type:

(Glass interior plate) in case of KS-SB/KS-SBF/KS-LB/KS-LBF

External decoration material:

Coated steel plate (color number is decided according to SMEC decoration color plate)

Hairline titanium stainless steel (color number is decided according to SMEC decoration color plate)

Hairline stainless steel

External Decoration Deck





PIGN 1-1 Interior plate, External decoration deck seam perpendicular step operation direction without lighting.



Glass interior plate, External decoration deck seam perpendicula to step operation direction with base tube-light.



an 1-3
ass interior plate. External decoration deck seam perpenalcul







◀Plan 2

External decoration plate perpendicular to horizontal plane

Balustrade type:

(Glass interior plate) in case of KS-SB/KS-SBF/KS-LB/KS-LBF

External decoration material:

Coated steel plate (color number is decided according to SMEC decoration color plate) Hairline titanium stainless steel (color number is decided according to SMEC decoration color plate)

▼Plan 3

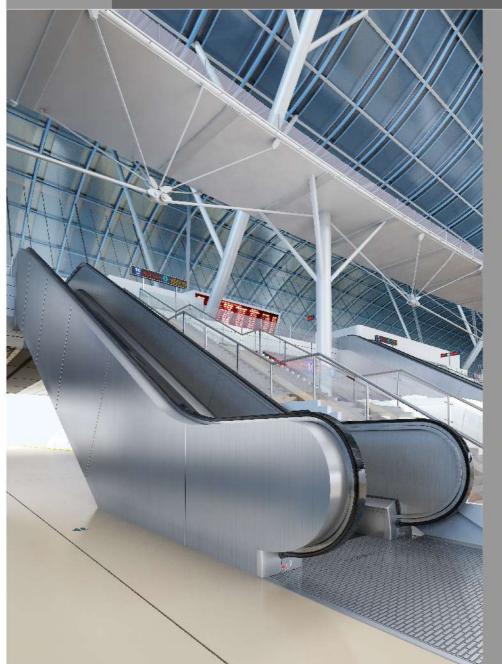
External decoration plate perpendicular to step operation direction Balustrade type:

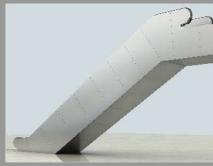
(stainless steel interior plate) in case of KP-B/KP-BF

External decoration material:

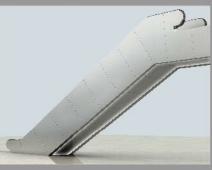
Coated steel plate (color number is decided according to SMEC decoration color plate) Hairline titanium stainless steel (color number is decided according to SMEC decoration color plate)

External Decoration Deck











The Series K escalator uses LED illumination to all systems, including handrail, skirting, comb, and below steps. The all-LED solution improves the environmental conditions, saves energy, and is safe and reliable. The light below stairs is green, and colors can be selected for all other illumination systems.

All-LED Illumination

Handrail Illumination



Only for KS-LB/KS-LBF, and colors can be selected.

Skirting Illumination



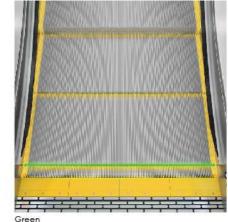
Successive type, and colors can be selected.

Dot type, and colors can be selected.

Comb Illumination



Below Steps Illumination



Illumination Colors



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Features Series K

Feature	Description	Code	Non-frequency Conversion	Frequency Conversion
Control and Security Features				
	In case of phase dislocation or phase loss of the input power supply, cut the main circuit and control the circuit to stop the escalator.	3E	(3)	(3)
	In case of accidental reversion of the escalator, the device will cut down the power supply to the main drive motor and the brake.	ARP	(\$)	(2)
Auxiliary Brake	When the escalator reaches 1.4 times of the rated speed or is not operating in the required direction, the auxiliary brake stops the escalator.	AUX-BK *1	(3)	(3)
Auxiliary Brake	When the escalator reaches 1.4 times of the rated speed or is not operating in the required director, the auxiliary brake stops the escalator.	AUX-BK *2	0	0
Detection of Service Brake Actions	Stop the escalator when the service brake cannot release or brake normally.	BLR	(3)	0
Service Brake	The service brake takes action to stop the escalator, and keep it stopped.	BRK	(3)	(3)
Bended Guide rail Safety Device	When any object gets pinched between the pallets of two steps and causes abnormality of the operation, stop the escalator.	CRS	٥	0
Comb Plate Safety Device	When any foreign object falls between the pallets and the comb plate, stop the escalator.	CSS	(\$)	(3)
Detection of Contactor Action	In case of any abnormality with the contactor, stop the escalator.	CTD	(3)	(3)
Drive Chain Safety Device	When the drive chain breaks or extends abnormally, stop the escalator.	DCS	(3)	(3)
Cover Plate Safety Device	When the maintenance cover plate is taken out, stop the escalator or prevent it from starting.	DOS	©	S
Emergency Stop Button	In emergency, use this device to stop the escalator.	E-STOP	(3)	(3)
	When the auxiliary brake is not in place, prevent the escalator from starting. (When the rise is above 6m)	EBR *3	©	(2)
	When there is any action in the electric safety devices connected in serial, stop the escalator.	ESC	©	(3)
Detection of Braking Distance	When the brake distance gets longer than 1.2 times the defined maximum, prevent the escalator from starting.	ESD	©	S
Water Level Warning Device	When too much water is accumulated in the lower truss, stop the escalator.	FLS *4	(3)	(3)
Handrail Anti-static Device	The device prevents static from occurring on the handrail.	HER	(3)	(3)
Over-speed	Stop the escalator before the operational velocity grows above 1.2 times the nominal velocity.	HGD1	(3)	(3)
Over-speed Limitation Device	Stop the escalator before the operational velocity grows above 1.4 times the nominal velocity. (when the rise is above 6m)	HGD2	(3)	(3)
Handrail Inlet Safety Device	When any foreign object gets pinched into the handrail inlet, stop the escalator.	HGS	(2)	(3)
Handrail Velocity Inspection	When the velocity of the handrail is below the rated value, and the condition lasts for a period of time, stop the escalator.	HSS	(3)	(\$)
Under-voltage Protection	When the voltage of the frequency converter is too low, stop the escalator.	LVP	-	(3)
Over-current Protection	When the electric current of the frequency converter is too strong, stop the escalator.	ОСР		(3)
Motor Overload Protection	When the motor is overloaded, stop the escalator.		(3)	(\$)
Oil Level Warning	When the oil level in the oil feeding device is too low, prevent the escalator from starting.		(3)	(3)
Over-Temperature Protection	When the voltage of the frequency converter is too high, stop the escalator.	ОТР	(3)	(3)
Over-voltage Protection	Stop escalator when over temperature of motor is detected.	OVP	-	(\$)
Detection of Power Phase	Automatically inspect the power phase and frequency, and switch to bypass frequency converter in a shock-free manner. Realize self-adaptation control of power factors with the full frequency converter.	PLL	=	\$
	Self-diagnosis of error with the passenger detection device. In case of any error, cancel the standby model.	PSD	~	(3)

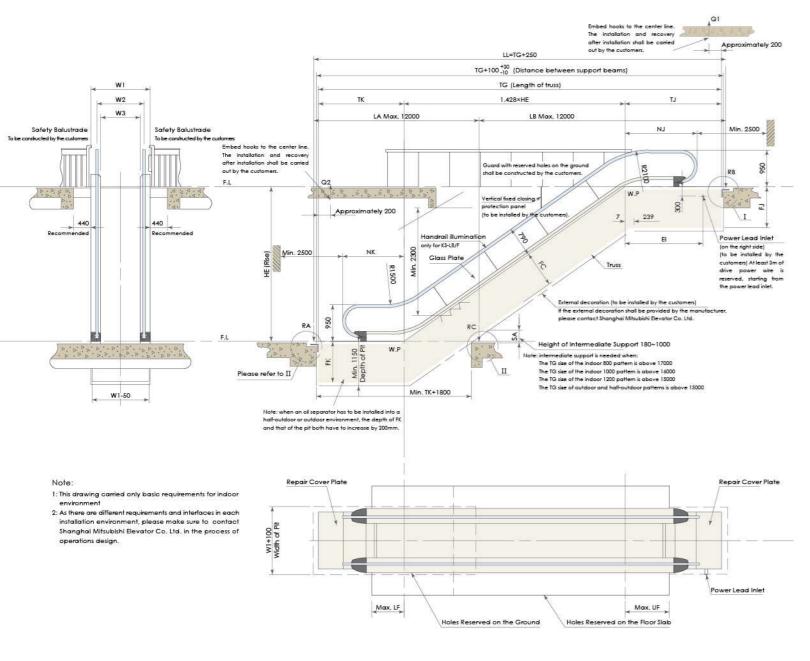
reditire	Description	Code	Von-frequency Conversion	frequen Conven
Control and Security Features				
Step Chain Safety Device	When the step chains break or extend abnormally, stop the escalator.	scs	(3)	(3)
Pinch-proof Device at the Skirting	Device with a rigid base installed on the skirting panels, to prevent foreign objects or feet from falling between the skirting panels and the steps.	SDS	\$	(2)
Step Anti-static Device	The device prevents static from occurring on the steps.	SER	(3)	(3)
Steps Missing Safety Device	When there is any step missing, the device takes action to stop the escalator.	SMS	(3)	(3)
Steps Sinking Safety Device	If any part of a step sinks and the step cannot mesh with the comb plate, stop the escalator.	SRS	(3)	(3)
Skirting Panel Safety Device	When any foreign object falls between steps and skirting panels, stop the escalator.	SSS	0	0
Monitoring Cohesion of the Starting Switch	In case of cohesion of the starting switch, prevent the escalator from starting.	SWD	(3)	(3)
Overheating Protection of Frequency Converter	When the frequency converter is overheated, stop the escalator.	THMF	-	(3)
Low Velocity Protection	When the velocity of the escalator is below the rated velocity, stop the escalator.	USP	(2)	C
Emergency Operations				
Fire Stop	When a signal of fire-fighting action is received, stop the escalator.	FSS	0	0
Operations and Service Functions				
Control panel LED operation panel	Configure maintenance parameters, check operation states and error codes via operation panel installed in control panel, use LED tube for display.	CPS-LED *5	0	0
Control panel LCD operation panel	Configure maintenance parameters, check operation states and error codes via operation panel installed in control panel, use LCD tube for display.	CPS-LCD *5	0	0
Repair	The escalator can be set to the operation under repair model, to make the installation and commissioning convenient.	HAND	(\$)	3
Manually Shut Down Illumination	Open or shut down illumination manually with the switch. (When auxiliary illumination below steps and/or at the handrails is equipped)	LO-M *5	(3)	3
Automatic Operation	Through the usage of passenger detection devices, the escalator could operate with the nominal speed when there is any passenger, and shift to standby in case of no load.	MDA	=	(3)
Operation with Constant Velocity	The escalator keeps at the nominal velocity.	MDC	(3)	-
Multi-function operation panel	Run escalator, configure parameter, check operation states and error codes via display panel mounted at entrance of escalator.	MFP	0	0
Automatic Oil Feeding	Add lubricating oil to the chains of the escalator at predetermined time automatically.	OIL	S	(3
Passenger Detection Device: Microwave but not the Column Pattern	Adopt microwave sensors for the passenger detection device.	PSM *6		O
Passenger Detection Device: Column Pattern	Adopt the photoelectric column for the passenger detection device.	PSP *6	=	C
Low Velocity Standby	The escalator operates below the nominal velocity in the condition of no load.	SBLS *7	=	C
Stop Standby	The escalator stops in the condition of no load.	SBSP *7	===	0
Direct Start-up	Supply power with direct drive with mains at both starting and operation of the escalator, and the frequency converter serves merely as a backup.	SDT	(3)	-
Backup start	Manually set escalator to directly drive by municipal power grid in case frequency converter is error	SBK	3	(3)
	The direction of escalator operation could be reversed.	UDA	(3)	(3)
Optional Directions of Operation				

Feature	Description	Code	Van-frequency Conversion	Frequenc Conversion
perations and Service Functions				
Heating Device	Monitor the escalator with temperature sensors in a real-time manner. When the temperature in the escalator is lower than the rated value, prevent the escalator from starting. The device can automatically start or stop heating as per the actual temperature.	HEAT *8	0	0
Information and Display				
Voice Announce Device	Voice announce device (Chinese) informs the passengers of related elevator information.	AAN-S01 *9	0	0
Voice Announce Device	Voice announce device (Chinese and English in turn) informs the passengers of related elevator information.	AAN-S02 *9	0	0
Voice Announce Device	Voice announce device (English) informs the passengers of related elevator information.	AAN-S03 *9	0	0
Displaying Safety Device Codes	Carry out one-on-one inspection on safety devices, and display response error codes if there is any error.	ASD	(2)	(\$)
BA Interface	Use passive dry contact to output signals indicating basic status of the escalator.	BA	0	0
Buzzer	Remind the passengers of escalator starting, error, reversion, and etc.	BUZ	(3)	(\$)
	Indicate the passengers the operational direction, stop, no entry, or other conditions of the escalator.	DI *10	0	(3)
Theft-proof buzzer for inspection cover	In case inspection cover opens accidentally, the buzzer shall keep ringing for alarm.	DOA	\$	(3)
Reminder of Fire-protection Stop	When the escalator stops for fire-protection reasons, release the signal of fire-protection stop.	FE-CP	0	0
Handrail Illumination	Illumination at the lower edge of the handrail.	L-BAL *11	(3)	(3)
Illumination Below Steps	Illumination at the inlet and outlet of the staircase, highlighting the edge of the staircase.	L-STP	(3)	(3)
LED Lightingt	Use LED as lighting power source.	LED	(3)	(3)
The Monitoring System	The system monitors the status of the escalator with computers, and gives orders of starting or stop when necessary.	SMOS-II	0	0
Skirting Illumination	Illumination on the skirting panels at both sides of the staircase.	L-SKT *12	0	0
Comb Illumination	Illumination on the skirting panels at the inlet and outlet of the staircase or pallets.	L-COMB *13	0	0

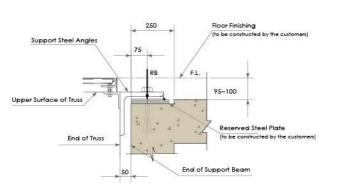
Note:

- *1 Standard component when the rise is above 6 meters.
- *2 Non-standard component when the rise is 6 meters or below.
- *3 Standard component when auxiliary brakes are equipped.
- *4 Standard component only when the escalator is installed outdoor or half-outdoor.
- *5 CPS-LED or CPS-LCD (CPS-LED is the recommended option)
- *6 PSM or PSP (PSP is non-standard configuration.)
- *7 SBLS or SBSP (SBSP is recommended indoor option)
- *8 Non-standard only when the escalator is installed outdoor.
- *9 Non-standard
- ${\rm *10~Standard~for~frequency~conversion~escalators,~Non-standard~for~non-frequency~conversion~escalators.}$
- *11 Only for indoor KS-LB/KS-L BF.
- *12 Only for indoor KS-SB/KS-LB/KS-SBF/KS-LBF.
- *13 Indoo
- *14 Non-frequency conversion versions: KS-SB, KS-LB, KP-B; frequency conversion versions: KS-SBF, KS-LBF, KP-BF
- *15 Standard functions, optional functions

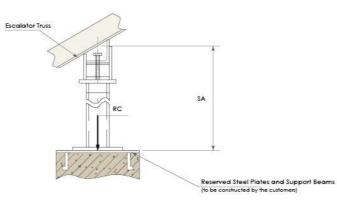
25 26



End Support Drawing



Intermediate Support Drawing



Hem .	Standard	Optional	Note				
Length of the Upper Truss IJ (mm)	2437 *1	2438~5137	Angle of inclination 30° / Le	evel 2 steps / Rise ≤ 6000mm / Handrail nominal width 1000 or 1200			
	2937	2938~5137	Angle of inclination 30° / Level 2 steps / Rise ≤ 6000mm / Handrail nominal width 800				
	2842 *2	2843~5542	Angle of inclination 30° / Level 3 steps / Rise ≤ 6000mm / Handrail nominal width 1000 or 1200				
	3342	3343~5542	Angle of inclination 30° / Level 3 steps / Rise ≤ 6000mm / Handrail nominal width 800				
	2842	2843~5542	Angle of inclination 30° / Level 3 steps / 6000mm< Rise ≤7000mm / Handrail nominal width 1200				
	3142	3143~5542	Angle of inclination 30° / Level 3 steps / 7000mm< Rise ≤ 10000mm / Handrail nominal width 1200				
	3142	3143~5542	Angle of inclination 30° / Le	evel 3 steps / 6000mm< Rise ≤ 10000mm / Handrail nominal width 1000			
	3342	3343~5542	Angle of inclination 30° / Le	evel 3 steps / 6000mm< Rise ≤ 10000mm / Handrail nominal width 800			
	2497 *3	2498~5197	Angle of inclination 35° / l	Level 2 steps / Handrail nominal width 1000 or 1200			
	2997	2998~5197	Angle of inclination 35° / l	Level 2 steps / Handrail nominal width 800			
	2902 *4	2903~5602	Angle of inclination 35° / Level 3 steps / Handrail nominal width 1000 or 1200				
	3402	3403~5602	Angle of inclination 35° / L	Angle of inclination 35° / Level 3 steps / Handrail nominal width 800			
Length of the Lower Truss TK (mm)	2210	2211~4910	Angle of inclination 30° / Level 2 steps				
	2615	2616~5315	Angle of inclination 30° / Level 3 steps				
	2245	2246~4945	Angle of inclination 35° / Level 2 steps				
	2650	2651~5350	Angle of inclination 35° / Level 3 steps				
Depth of the Upper Truss FJ (mm)	1060		FJ is distance from upper F.L (decoration plane) to lower beam angle steel outer surface please add 15mm for sleeve and other component while calculating truss contour.				
Depth of the Lower Truss FK (mm)	1060						
Depth of the Middle Truss FC (mm)	918		Angle of inclination 30°	Add 15mm on this basis for outdoor use due to the thickness of			
	938		Angle of inclination 35°	bottom seal plate and other parts.			
Width of the Escalator W1 (mm)	1550		Handrail nominal width 12	200			
	1350		Handrail nominal width 1000				
	1150		Handrail nominal width 80	00			
Distance Between Intermediate Supports LA	(TK+250) ~12000	1 or 2 intermediate suppo	orts, angle of inclination 30°, (LA) between (TK+250) and 12000			
	(TK+370) ~12000		1 or 2 intermediate supports, angle of inclination 35°, (LA) between (TK+370) and 12000				
Distance Between Intermediate Supports LB	(TJ+240) ~12000	1 or 2 intermediate suppo	orts, angle of inclination 30°, (LB) between (TJ+240) and 12000			
	(TJ+110) ~12000		1 or 2 intermediate supports, angle of inclination 35°, (LB) between (TJ+110) and 12000				
Distance Between Intermediate Supports LC	500~12000		2 or more intermediate su	pports			

1200

Basic Specifications

Nominal Width Between Handrails (mm)

Distance Between Center Lines of Handrails (mm)	1228	1028	828			
Nominal Width of Steps (mm)	1004	804	604			
Maximum Load (Person/Hour)	6000	4800	3600			
Serial No.	. KS-SB/KS-SBF, KS-LB/KS-LBF, KP-B/KP-BF			KS-LB/KS-LBF cannot be applied to outdoor or half-outdoor environment		
Drive System	Direct Drive			KS-SB, KS-LB, KP-B		
	VVVF Drive			KS-SBF, KS-LBF, KP-BF		
Drive Power Supply	380V50Hz three-phase and five-wire					
Illumination Power Supply	220V50Hz single phase					
Angle of Inclination (Degree)	30, 35					
Velocity (m/s)	0.5					
Escalator Rise (mm)	1400~10000			When the angle of inclination is 30°		
	1606~6000			When the angle of inclination is 35°		
Horizontal Movement Distance of Steps (mm)	800			Level 2 steps, Rise ≤ 6000mm.		
	1200			Level3 steps, Rise ≤ 6000mm.		
	1200			Level3 steps, Rise > 6000mm.		
Applicable Environment	Indoor			Please contact the Shanghai Mitsubishi Elevator Co. Ltd. to confirm if the escalator could be used indoor.		
	Outdoor, half-o	utdoor		Please contact the Shanghai Mitsubishi Elevator Co. Ltd. to confirm the escalator could be used outdoor and/or half-outdoor.		
Power Supply Data						
Driving Power (three phase AC 380)	√, 50Hz)					
Driving Power Capacity (kVA)	8.0			The motor power capacity is 5.5kW, without heater.		
	10.4			The motor power capacity is 7.5kW, without heater.		
	13.2			The motor power capacity is 9kW, without heater.		
	15.4			The motor power capacity is 11kW, without heater.		
	18.0			The motor power capacity is 13kW, without heater.		
	10			Heater at 30 degrees, Rise ≤ 3500mm.		
	13			Heater at 30 degrees, 3500mm < Rise ≤ 5300mm.		
	16			Heater at 30 degrees, 5300mm < Rise ≤ 8300mm.		
	19			Heater at 30 degrees, 8300mm < Rise ≤ 1000mm.		
	10			Heater at 35 degrees, Rise ≤ 4000mm.		
	13			Heater at 35 degrees, 4000mm < Rise ≤ 6000mm.		
Illumination Power (single phase AC	220V, 50Hz)					
Serial No.	KS-LB/KS-LBF	KP-B/KP-BF	KS-SB/KS-SBF			
Illumination Power Capacity (kVA)	2.2	2.2	2.2	Rise ≤ 6000mm, with handrail or skirting illumination.		
	2.6	2.6	2.6	6000mm < Rise ≤ 10000mm, with handrail or skirting illumination		
	s=:	1.3	1.3	No handrail or skirting illumination		
Motor Capacity			1			
Handrail Nominal Width (mm)	1200	1000	800			
Motor Capacity (kW)	5.5	5.5	5.5	Rise ≤ 4000mm		
	7.5	5.5	5.5	4000mm < Rise ≼ 5000mm		
	7.5	7.5	5.5	5000mm < Rise ≤ 6000mm		
	9	7.5	5.5	6000mm < Rise ≤ 7000mm		
	11	9	7.5	7000mm < Rise ≤ 8500mm		
		-				

800

1000

Note: if the items do not match with the standards provided here, please contact the Shanghai Mitsubishi Elevator Co. Ltd.





