

**TE-GL**

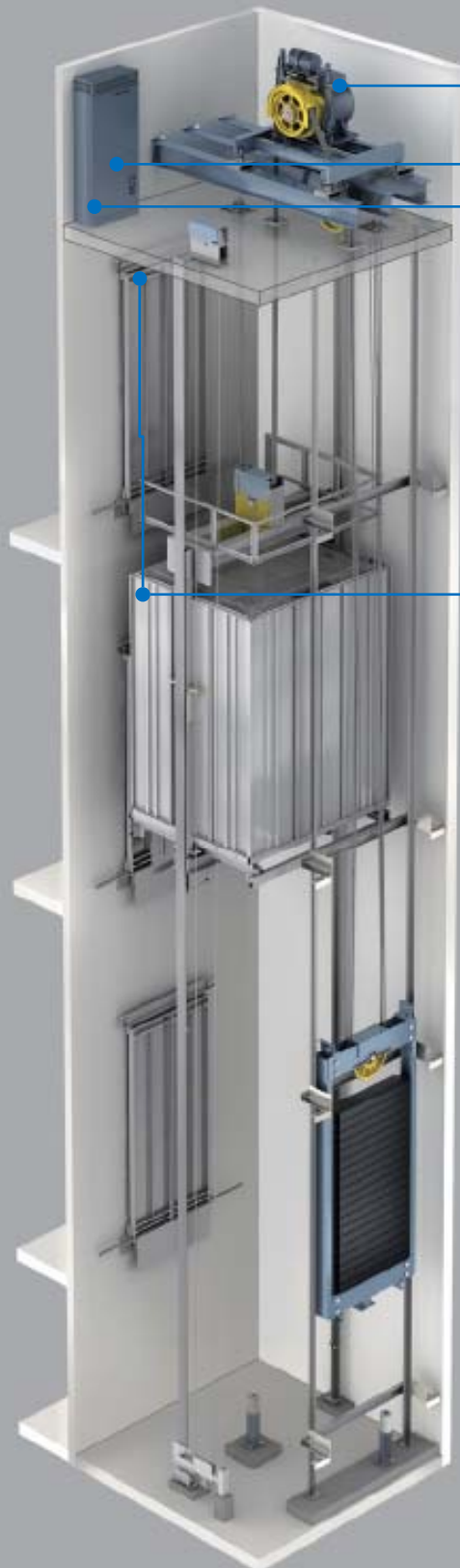
Passenger Elevators



**ThyssenKrupp**

## TE-GL: Technology brings humanized life...

The mini machine room of TE-GL occupies an area no larger than the shaft size through reasonable construction layout and various new component solutions. This design considerably economizes architecture resources and raises rate, meanwhile, reduces the effect exterior of the building and better to meet the special requirements of appearance of buildings. Rear counterweight solution can be applied to most existing shafts without modification, increasing architecture design freedom and reducing design complexity. Side counterweight could deal with China increasingly aging society and narrow car is convenient for wheelchairs and stretcher.



### Traction Machine

Compact PMS gearless motor, green and environmental friendly, high efficient and energy saving, precise control.



### Inverter

Globally developed inverter precisely controls elevator movement, improves the system's power quality and delivers a smooth riding experience



### Control System

Adopting CANBUS serial communication, ThyssenKrupp elevator controller realizes decentralized control and responses quickly. In line with European standards of electromagnetic compatibility, the controller is safe and reliable and best guarantees the precise running of elevator.



### Door System

ThyssenKrupp Elevator door operation is designed to deliver the highest standard in reliability and safety. With standard functions such as door nudging and limited closing force, passenger safety is maximized.



## Advanced technology builds quality



### PMS Traction Machine

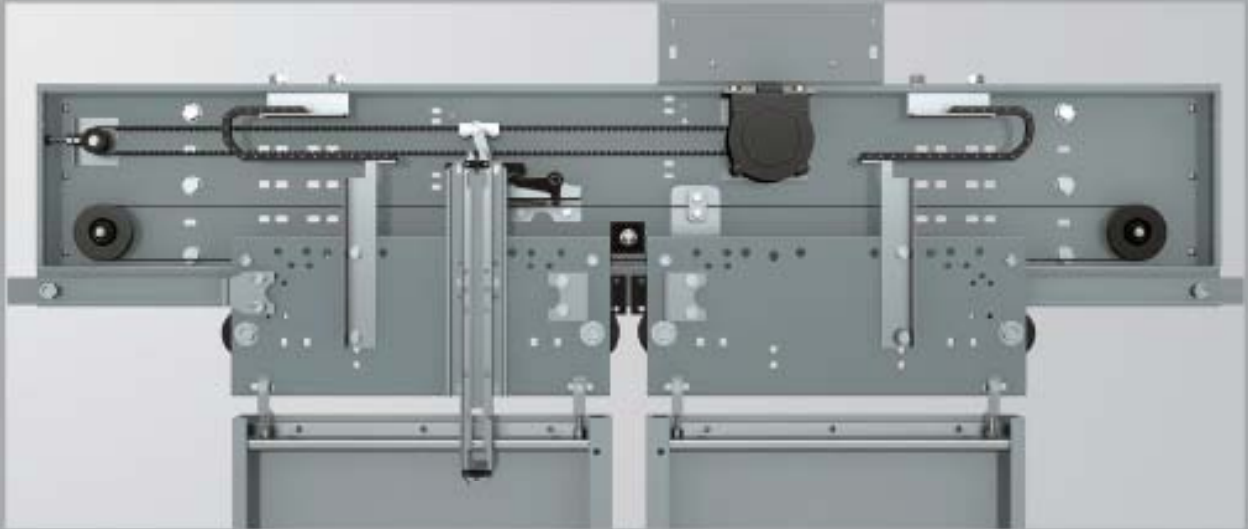
Highly-efficient and energy-saving PMS traction machine; Rigorous German design and global manufacturing standard; Strong power, compact structure, steady running and long durability; Safe and reliable German-designed brake; Environmental-friendly, energy-saving, little noise, no need for lubricate maintenance, no grease pollution; Precise speed pulse generator with high control precision .

### Control System

German-designed modularized structure of control system; AC vector control speed adjusting system ensures precise control; Classic CANBUS serial communication ensures remote data transfers with high speed; Distributed control system realizes monitor in real time and response quickly; Full range of control functions meet individualized customers' needs; Advanced self-diagnosis feature is easy to maintain; Highly optimized versatility and standards ensure seamless connection between systems; ThyssenKrupp sixth-generation MH2 remote monitoring function (optional); Accord with European Electromagnetic Compatibility Standard.



## Advanced technology builds quality



### Door System

PMS AC door system has compact structure; Door-closing torque examination in real time ensures safety and reliability;

Full-width safety light curtain ensures passenger safety; Bottom absorbs door machine's vibration and noise by car floor frame;

Seamless car door accords with fireproof door standard and effectively prolongs rescue time (Optional).

Notice- Optional imported door drive control system is compact, good seal and sound insulation, reaching IP54 protection standard.



## Flexible and Diversified Individuated Decoration



CS1-GE  
*Standard*

Ceiling : RF-CL1S  
Car Wall : RAL1015  
Floor : TCD314

CS2-GE  
*Optional*

Ceiling : RF-CL1S  
Car Wall : RAL7035  
Floor : CFL010



## Flexible and Diversified Individuated Decoration

### CS3-GE *Optional*

Ceiling : RF-CL1S  
Car Wall : Short Hairline St. St  
Floor : PVC Pattern



### CS4-GE *Optional*

Ceiling : RF-CL1S  
Car Wall : Short Hairline St. St, Mirror St. St  
Floor : PVC Pattern  
Handrail : TSF08

## Flexible and Diversified Individuated Decoration



**CB1-GE**  
*Optional*

Ceiling : CL001  
Car Wall : RAL7035  
Floor : PVC Pattern

**CB2-GE**  
*Optional*

Ceiling : CL001  
Car Wall : RAL7035, RAL7048  
Floor : PVC Pattern  
Mirror : CDM001  
Handrail : TSF06



## Flexible and Diversified Individuated Decoration

### CB3-GE *Optional*

Ceiling : CL001  
Car Wall : Short Hairline St. St  
Floor : PVC Pattern



### CB4-GE *Optional*

Ceiling : CL001  
Car Wall : Short Hairline St. St, Mirror St. St  
Floor : PVC Pattern  
Handrail : TSF01

## Flexible and Diversified Individuated Decoration



CL1-GE  
*Optional*

Ceiling : StarLight  
Car Wall : RAL1015  
Floor : CFL008

CL2-GE  
*Optional*

Ceiling : StarLight  
Car Wall : RAL7035, Mirror St. St  
Floor : CFL010



## Flexible and Diversified Individuated Decoration

### CL3-GE *Optional*

Ceiling : StarLight  
Car Wall : Short Hairline St. St  
Floor : PVC Pattern



### CL4-GE *Optional*

Ceiling : StarLight  
Car Wall : Short Hairline St. St, Mirror St. St  
Color Metal (HK04)  
Floor : PVC Pattern



## Flexible and Diversified Individuated Decoration



▲  
**CL5-GE**  
*Optional*

Ceiling : MoonLight  
Car Wall : RAL7035  
Floor : CFL010



▲  
**CL6-GE**  
*Optional*

Ceiling : MoonLight  
Car Wall : RAL7048, Short Hairline St. St  
Mirror St. St  
Floor : PVC Pattern  
Handrail : TSF01



## Flexible and Diversified Individuated Decoration

### CL7-GE *Optional*

Ceiling : MoonLight  
Car Wall : Short Hairline St. St, Mirror St. St  
Floor : PVC Pattern



### CL8-GE *Optional*

Ceiling : MoonLight  
Car Wall : RAL7048, Short Hairline St. St,  
Mirror St. St, Color Metal (HK04)  
Floor : PVC Pattern  
Handrail : TSF01



# Car Operating Panel [COP]

## 1. Standard

Type : COP S-A01  
Indicator : Dot Matrix  
Button : MT42

## 2. Optional

Type : COP S-B01  
Indicator : Dot Matrix  
Button : AN170

## 3. Optional

Type : COP S-A02  
Indicator : 5.7" LCD  
Button : MT42

## 4. Optional

Type : COP S-B02  
Indicator : 5.7" LCD  
Button : AN170

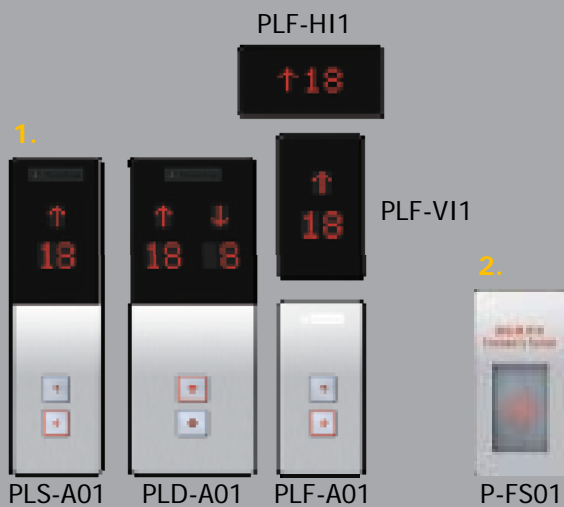


## Landing Operating Panel [LOP]

### Standard

1. Indicator : Dot Matrix  
Button : MT 42

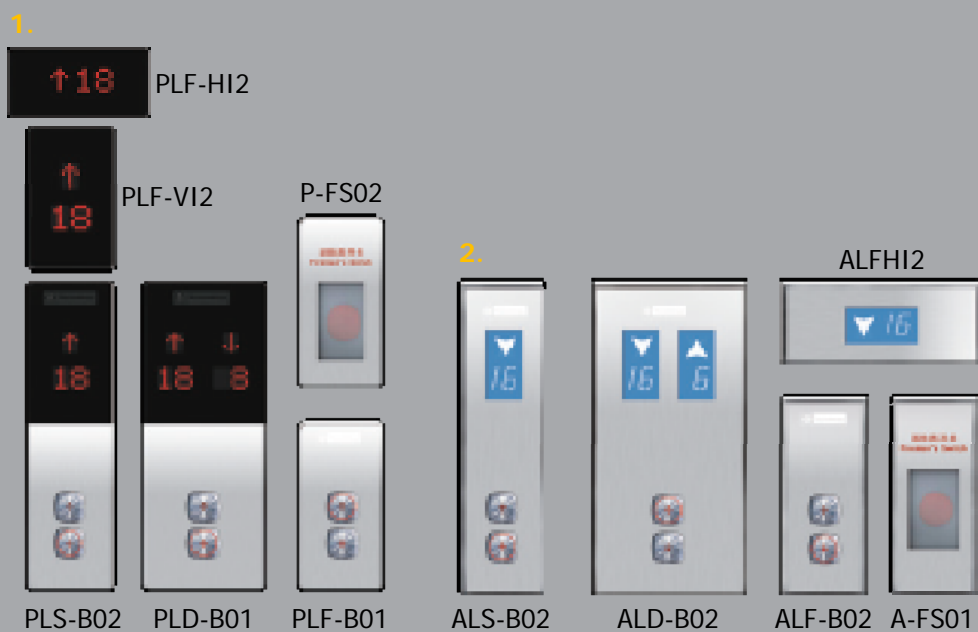
2. Firemen's Switch



### Optional

1. Indicator : Dot Matrix  
Button : AN 170

2. Indicator : 4.3" LCD  
Button : AN 170



Ultrathin indicating element

LIOP Face Plate:  
Short hairline st. st

3. Indicator : 4.3" LCD  
Button : MT 42

## TE-GL Technical Specifications (CWT at Rear (Standard))

Rated Load	Rated Speed	Max Travel	Max. Stops	Central Doors WxH	Car Size WxDxH	Shaft Size WxD	Machine Room WxD
(kg)	(m/s)	(m)	(Nbr)	(mm)	(mm)	(mm)	(mm)
630	1.00	55	18	800 x 2100	1100 x 1400 x 2400	1800 x 2000	1800 x 2000
	1.60	85	30				
	1.75	85	30				
800	1.00	50	17	800 x 2100	1350 x 1400 x 2400	1900 x 2000	1900 x 2000
	1.60	75	26				
	1.75	90	31				
	2.00	110	32				
	2.50	125	32				
1000	1.00	50	17	900 x 2100	1600 x 1400 x 2400	2150 x 2000	2150 x 2000
	1.60	75	26				
	1.75	90	31				
	2.00	110	32				
	2.50	125	32				
1150	1.00	50	17	1100 x 2100	1800 x 1400 x 2400	2350 x 2000	2350 x 2000
	1.60	75	26				
	1.75	90	31				
	2.00	110	32				
	2.50	125	32				
1250	1.00	50	17	1100 x 2100	2000 x 1450 x 2400	2450 x 2160	2450 x 2160
	1.60	75	26				
	1.75	90	31				
	2.00	110	32				
	2.50	125	32				
1350	1.00	50	17	1100 x 2100	2000 x 1550 x 2400	2450 x 2260	2450 x 2260
	1.60	75	26				
	1.75	90	31				
	2.00	110	32				
	2.50	125	32				
1600	1.00	50	17	1100 x 2100	2000 x 1750 x 2400	2450 x 2460	2450 x 2460
	1.60	75	26				
	1.75	90	31				
	2.00	110	32				
	2.50	125	32				

Rated Speed	Overhead (mm)			Pit (mm)		
(m/s)	630 kg	800 – 1150 kg	1250 – 1600 kg	630 kg	800 – 1150 kg	1250 – 1600 kg
1.00	3750	3750	4100	1250	1250	1300
1.60	3900	3900	4450	1300	1300	1400
1.75	3900	3900	4500	1300	1300	1400
2.00	-	4000	4550	-	1350	1400
2.50	-	4750	4750	-	1750	1750

## TE-GL Technical Specifications (CWT at Side (Standard))

Rated Load	Rated Speed	Max Travel	Central Doors WxH	Car Size WxDxH	Shaft Size WxD	Machine Room WxD
(kg)	(m/s)	(m)	(mm)	(mm)	(mm)	(mm)
630	1.00	55	800 x 2100 Central Doors	1100 x 1400 x 2400	1850 x 1850	1850 x 1850
	1.60	85				
	1.75	85				
800	1.00	50	900 x 2100	1100 x 1700 x 2400	1850 x 2150	1850 x 2150
	1.60	75				
	1.75	90				
	2.00	110				
1000	1.00	50	900 x 2100	1100 x 2100 x 2400	1850 x 2550	1850 x 2550
	1.60	75				
	1.75	90				
	2.00	110				
1150	1.00	50	1000 x 2100	1200 x 2100 x 2400	1950 x 2550	1950 x 2550
	1.60	75				
	1.75	90				
	2.00	110				
1250	1.00	50	1100 x 2100	1400 x 2050 x 2400	2270 x 2540	2270 x 2540
	1.60	75				
	1.75	90				
	2.00	110				
	2.50	125				
1350	1.00	50	1100 x 2100	1400 x 2200 x 2400	2270 x 2690	2270 x 2690
	1.60	75				
	1.75	90				
	2.00	110				
	2.50	125				
1600	1.00	50	1300 x 2100	1400 x 2400 x 2400	2310 x 2890	2310 x 2890
	1.60	75				
	1.75	90				
	2.00	110				
	2.50	125				

Rated Speed	Overhead (mm)			Pit (mm)		
(m/s)	630 kg	800 – 1150 kg	1250 – 1600 kg	630 kg	800 – 1150 kg	1250 – 1600 kg
1.00	3750	3750	4100	1250	1250	1300
1.60	3900	3900	4450	1300	1300	1400
1.75	3900	3900	4500	1300	1300	1400
2.00	-	4000	4550	-	1350	1400
2.50	-	-	4750	-	-	1750

## TE-GL Technical Specifications (Throughout Door (Standard))

Rated Load	Rated Speed	Max Travel	Central Doors WxH	Car Size WxDxH	Shaft Size WxD	Machine Room WxD
(kg)	(m/s)	(m)	(mm)	(mm)	(mm)	(mm)
630	1.00	55	800 x 2100 Central Doors	1100 x 1320 x 2400	1870 x 1850	1870 x 1850
	1.60	85				
	1.75	85				
800	1.00	50	900 x 2100	1100 x 1480 x 2400	1850 x 2120	1850 x 2120
	1.60	75				
	1.75	90				
	2.00	110				
1000	1.00	50	900 x 2100	1100 x 1880 x 2400	1850 x 2520	1850 x 2520
	1.60	75				
	1.75	90				
	2.00	110				
1150	1.00	50	1000 x 2100	1200 x 1880 x 2400	1900 x 2520	1900 x 2520
	1.60	75				
	1.75	90				
	2.00	110				
1250	1.00	50	1100 x 2100	1400 x 1900 x 2400	2270 x 2540	2270 x 2540
	1.60	75				
	1.75	90				
	2.00	110				
	2.50	125				
1350	1.00	50	1100 x 2100	1400 x 2050 x 2400	2270 x 2690	2270 x 2690
	1.60	75				
	1.75	90				
	2.00	110				
	2.50	125				
1600	1.00	50	1300 x 2100	1400 x 2250 x 2400	2310 x 2890	2310 x 2890
	1.60	75				
	1.75	90				
	2.00	110				
	2.50	125				

Rated Speed	Overhead (mm)			Pit (mm)		
(m/s)	630 kg	800 – 1150 kg	1250 – 1600 kg	630 kg	800 – 1150 kg	1250 – 1600 kg
1.00	3750	3750	4100	1250	1250	1300
1.60	3900	3900	4450	1300	1300	1400
1.75	3900	3900	4500	1300	1300	1400
2.00	-	4000	4550	-	1350	1400
2.50	-	-	4750	-	-	1750

## TE-GL Function List

**S** Standard  
**O** Optional  
**NA** Not Available

No.	Function	GL
1	Door Close Button	S
2	Door Open Button	S
3	Alarm Button	S
4	Overload Control Function with Visual and Audible Function	S
5	Automatic Operation for Car light and Fan	S
6	Reset Car Call by Double Pressing Button	S
7	Emergency Car Lighting	S
8	Automatic Doors	S
9	Door Reopen By Landing Call	S
10	Repeat Door Closing in the Event of Lock Failure	S
11	Special Waiting Time with Open Door at the Main Floor (Adjustable)	S
12	Regulated Door Drives (Regulated Speed and Torque)	S
13	Safety Light Curtain with Multiple Light Beams	S
14	Closing Force Limited for Door Operation	S
15	Dot Matrix (Red) Floor Indicator and Direction Arrow on all Floors	S
16	Dot Matrix (Red) COP Display	S
17	7.6" Blue Write Segment LCD COP Display	NA
18	One to one 5-Way Intercom car to Master-Station	S
19	Fire Emergency Return (FER)	S
20	Home Landing	S
21	Full Load By-Pass	S
22	Car Priority	S
23	Car Parking and Switch off by Key Switch	S
24	Collective Fault Signal	S
25	Phase Failure and Phase Reversal Protection	S
26	Landing to the Nearest floor in case of Problem (except Power failure and safety Circuit Problems)	S
27	Immediate Call allocation for Groups/Duplex	S
28	Continued Group/Duplex Operation in case of Failure of One Elevator (When in Group)	S
29	Anti-Nuisance "Max. of Passengers"	S
30	Anti-Nuisance "Empty Car"	S
31	Anti-Nuisance "Car Call Cancellation at last Landing"	S
32	Anti-Nuisance function "Internal Call deletion Opposite to Travel Direction"	S
33	Lockable Main Switch Integrated for Controller Cabinet	S
34	Controller Prepared for Tele-Service (Excluding MH2 Board)	S
35	Trip and Hour Counter	S
36	Inspection Mode in Machine Room	S
37	Inspection Mode in Car Top (High Priority)	S
38	Traction Machine over Temperature Supervision	S
39	Traction Machine Skidding Protection	S
40	Elevator Start-Up Loading Weighting Compensation Function	S
41	Onward Travel to the next Stop in the Case of a non-opening Door	S
42	Open-Door Re-leveling Function (TH>45m)	S
43	Open-Door Re-leveling Function (Load<=1150kg, TH>60m, >1150kg, TH>30m)	NA
44	Open-Door Re-leveling Function	NA
45	Automatic Call Allocation to the Elevator with the Lowest Load	S
46	Compact & Flat, Diamond Flat Push Button on all Floors	S
47	Open Brake using UPS Power Supply	NA
48	Recover Speed Governor Artificially	NA
49	Supervision for Trap Door	O
50	Arrival Gong on Car	O

## TE-GL Function List

**S** Standard  
**O** Optional  
**NA** Not Available

No.	Function	GL
51	Video/Camera Cable from Machine Room to Car (Including in Traveling Cable)	O
52	Advanced Door Opening	O
53	Open-Door Re-leveling Function (TH<=45m)	O
54	Open-Door Re-leveling Function (Load<=1150kg, TH<=60m, >1150kg, TH<=30m)	NA
55	Terminal Deceleration Monitoring (Only for MC1 Control)	NA
56	Voice Announcement System (Local, Mandarin, Cantonese or English)	O
57	Arrival Gong on every Floor	O
58	Out of Service Indication (Only for Additional box LOP)	NA
59	Firemen's Emergency Operation	O
60	Signal to Supervision Room for Fire Emergency Return	O
61	Car Attendance only for 1 <sup>st</sup> COP	O
62	Changing Main Stop	O
63	Special Trip (Landing Priority) by Key Switch	O
64	Blocking of Landings (Switch/Timer)	NA
65	IC Card Operated Car Calls (Instead of Push Button)	O
66	Group Control (Max 8 Units)	O
67	Duplex Control	NA
68	Taking Units out of Group (Timer/Switch)	O
69	ARD (Automatic Rescue Device) Function	O
70	Peak Service Function (Only for Group Control)	O
71	BAS Interface Function (Dry Contractor Signal)	O
72	BAS Interface for RS485 (MMC Board)	O
73	BAS Interface for RS232 (MM Board)	O
74	Earthquake Emergency Return	O
75	Additional coast for Light Curtain + Safety Edge (Only K8 Door System)	O
76	Fire-Rated Door	O
77	Through Door	O
78	Selective Door (Only in through Car Case)	O
79	Color Video Camera (In Car)	O
80	Air Conditioning on the Door	O
81	Hall Lantern	NA
82	LIOP from Compact to Separated	NA
83	Red Dot Matrix for Car Display	NA
84	4.3" Blue and White Screen LIOP Display	O
85	5.7" Blue and White Screen COP Display	O
86	TFT LCD Car Displays	NA
87	Second COP (Excluding Car Attendant and Intercom)	O
88	Handicapped COP (No Indicator, Braille Push Buttons as Standard)	O
89	Supervision Panel (Local, Cable by Other, Cable Length<=150m)	O
90	Teleservice Interface (Including MH2 Board, Without Modem)	O
91	Monitoring System	O
92	Generator Powered Emergency Evacuation Control and Interface (Generator by Others)	O
93	Regenerative Inverter	NA
94	Compulsory Landing	NA
95	Door Nudging (S8 Series Doors Only)	O
96	Call for preferred Elevator of a Group (3 <sup>rd</sup> Call Button)	NA
97	3D Light Curtain Door Protection	NA
98	Fire Detector Operation	NA
99	DSC	NA
100	One to Multi 5 way Intercom System	O
101	Help Button	NA