

Revision History

Date	Rev	Author	Comment
26-Nov-2004	G AAA	A. Pfeffer	based on TCBC
2005-01-27	G AAA	H.-K. Spielbauer	Document update after review
2005-01-31	G AAA	H.-K. Spielbauer	m/s unit adapted
2005-02-25	G AAA	H.-K. Spielbauer	LW-TYP and BRK-TYP deleted
2005-04-06	GAA30780AAA	A. Pfeffer	Release
2005-06-08	G AAB	A. Pfeffer	Compass parameters added
2005-07-14	G AAB	A. Pfeffer	HL-SET=3, HANDIC-D, HANDIC-R, DEST-DE, GCB-EN, HBP-POS, HBP-DO, DUTY-HI, DUTY-LOW, EXT-C, EXT-H, EXT-H*10 added
2005-07-21	GAA30780AAB	H.-K. Spielbauer	Update for Compass Release
2005-08-22	G AAC	A. Pfeffer	EXT-H*10 removed
2005-10-25	GAA30780AAC	A. Pfeffer	no changes
2005-10-25	G BAA	D. Cominelli	Added EN-PRBB
2006-10-20	GAA30780BAA	B. Braasch	PI-POS,HPI,HPI-OPT,GPI,GPI-POS,GPI-OPT,FAN-T,LW-TYP,PX2.1, EN-EXT,CTL-TYP,ANS(kg),PEAK(%),LNS(%),OLD(%),FIX-PRK,FIX-MASK,PARK-1T->PARK-8T,CBP-POS,CBP-DO,SHO-POS,SHO-PI,SHO/WCO, EN-ABL,BRK-TYP,TLD-DW-D,DCB-TYP, EFO-LOCK,MID-POS,EMT-TYP,EMT-T, EXT-SEC added; RSL-TYP,MIT-VD blanked ; Door parameter:14 (Multidrop) added
2007-03-21	GAA30780DAA	H.-K. Spielbauer	Update DRV-TYP, SEL-COMP, PRK-INT, CPMT-D / -A / -O, GPI, HPI, PI
2007-04-10	G DAB	D. Cominelli	Update DOC, DOR-T, RDOR-T
2007-09-17	G DAB	A. Pfeffer	Removed EN-EVT; Added HWY-TYP, PI=7, PI-JWL parameters, REM-TYP=4, CLR-RUN, VIP parameters, EN-HCC, DBL-OPT, ASL-DO, EPS-TYP=x4x, RSC-SEC; Added Parameter Group "11-TIME"; Added NNR parameters, TFA parameters, SUMtm, WINtm parameters
2007-11-09	G DAB	A. Pfeffer	Added F:EN-ACG, R:EN-ACG, CM-PROT, DW-DLY
2007-11-13	G DAB	A. Pfeffer	Removed EN-ADM; Limits and Defaults corrected; Corrected description of PKS-TYP;

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1. SYSTEM				
No.	Symbol	Default	Purpose and Range	Since
0	TOP	2	Top position: 1 (1) 99	
1	LOBBY	0	Lobby position: Separate doortime LOB-NT can be used at the lobby. 0 (1) 99	
2	BOTTOM	0	Bottom position: 0 (1) 98	
3	CFT-P	255	Cafeteria Position: Separate doortime CFT-NT can be used at the cafeteria 0 (1) 99 > 99 Disabled	
4	OPERAT	1	Operation FCL / DCL / SAPB: 0 FCL (Full Collective) 1 DCL (Down Collective) 2 SAPB (Single Automatic Push Button) 3 SAPB with Car Coming Light 4 FCL, delete both calls on arrival 5 FCL with single button for both directions	
5	EN-BSM	0	Enable Basement mode for DCL (two Hall Calls at lobby (Up and Down): 0 Disabled 1 Enabled	
6	PI	4	Type of serial Position Indicator for 1 Link and Car Link: 0 7/16 Segment 1 Serial Multilight via RIB 2 7 Segment-PI and LM-PI via RIB 3 Brazilian 10-Segment 4 OTIS 2000: LCD and ELD 5 Australian Dot Matrix (uses also IO 975, 976) 6 Australian Dot Matrix and Direction Indicator (uses also IO 975, 976) 7 Korean PI (need to set CPI-JWL*; since DAB) Note: If the board only supports 1 RSL link, this parameter defines the type of all position indicators on all links. If the board supports 3 RSL links, this parameter defines the Car Position Indicator.	

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7	PI-POS	0	Type of Position Info for PI 0 Actual Floor 1 Next Commitable Floor 2 Falling Edge of DZ	BAA
8	PI-OPT	0	Vendor PI option 0 no option 1 returning to ground floor 2 overloaded 4 out of service 8 lift on firefighting service note: if more than one of the above options should be available then you must add the appropriate numbers (e.g. to select 1+4 you must program 5)	
9	CPI-JWL1	0	Sign of CPI Jewel 1 for Korean PI: 0 not used 1 Full Load 2 Inspection Mode 3 Emergency Fire Operation/Service (EFO/EFS) 4 Express Mode (EHS, EMT) 5 ndependentt Service (ISC) 6 Noremal Mode (Auto) 7 Overload (OLD) 8 Shutdown Note: For PI=7 only	DAB
10	CPI-JWL2	0	Sign of CPI Jewel 2 for Korean PI: 0 not used 1 Full Load 2 Inspection Mode 3 Emergency Fire Operation/Service (EFO/EFS) 4 Express Mode (EHS, EMT) 5 ndependentt Service (ISC) 6 Noremal Mode (Auto) 7 Overload (OLD) 8 Shutdown Note: For PI=7 only	DAB

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No.	Symbol	Default	Purpose and Range	Since
11	CPI-JWL3	0	Sign of CPI Jewel 3 for Korean PI: 0 not used 1 Full Load 2 Inspection Mode 3 Emergency Fire Operation/Service (EFO/EFS) 4 Express Mode (EHS, EMT) 5 Independent Service (ISC) 6 Normal Mode (Auto) 7 Overload (OLD) 8 Shutdown Note: For PI=7 only	DAB
12	CPI-JWL4	0	Sign of CPI Jewel 4 for Korean PI: 0 not used 1 Full Load 2 Inspection Mode 3 Emergency Fire Operation/Service (EFO/EFS) 4 Express Mode (EHS, EMT) 5 Independent Service (ISC) 6 Normal Mode (Auto) 7 Overload (OLD) 8 Shutdown Note: For PI=7 only	DAB
13	HPI	4	Type of serial Position Indicator for Hall Link: 0 7/16 Segment 1 Serial Multilight via RIB 2 7 Segment-PI and LM-PI via RIB 3 Brazilian 10-Segment 4 OTIS 2000: LCD and ELD 5 Australian Dot Matrix (uses also IO 975, 976) 6 Australian Dot Matrix and Direction Indicator (uses also IO 975, 976) 7 Korean PI (need to set CPI-JWL*; since DAB) Note: Only applicable if the board supports 3 RSL links	BAA
14	HPI-POS	0	Type of Position Info for HPI 0 Actual Floor 1 Next Committable Floor 2 Falling Edge of DZ	BAA

1. SYSTEM

No.	Symbol	Default	Purpose and Range	Since
15	HPI-OPT	0	Vendor HPI option 0 no option 1 returning to ground floor 2 overloaded 4 out of service 8 lift on firefighting service note: if more than one of the above options should be available then you must add the appropriate numbers (e.g. to select 1+4 you must program 5)	BAA
16	HPI-JWL1	0	Sign of HPI Jewel 1 for Korean PI: 0 not used 1 Full Load 2 Inspection Mode 3 Emergency Fire Operation/Service (EFO/EFS) 4 Express Mode (EHS, EMT) 5 ndependentt Service (ISC) 6 Noremal Mode (Auto) 7 Overload (OLD) 8 Shutdown Note: For PI=7 only	DAB
17	HPI-JWL2	0	Sign of HPI Jewel 2 for Korean PI: 0 not used 1 Full Load 2 Inspection Mode 3 Emergency Fire Operation/Service (EFO/EFS) 4 Express Mode (EHS, EMT) 5 ndependentt Service (ISC) 6 Noremal Mode (Auto) 7 Overload (OLD) 8 Shutdown Note: For PI=7 only	DAB

1. SYSTEM

No.	Symbol	Default	Purpose and Range	Since
18	HPI-JWL3	0	Sign of HPI Jewel 3 for Korean PI: 0 not used 1 Full Load 2 Inspection Mode 3 Emergency Fire Operation/Service (EFO/EFS) 4 Express Mode (EHS, EMT) 5 Independent Service (ISC) 6 Normal Mode (Auto) 7 Overload (OLD) 8 Shutdown Note: For PI=7 only	DAB
19	HPI-JWL4	0	Sign of HPI Jewel 4 for Korean PI: 0 not used 1 Full Load 2 Inspection Mode 3 Emergency Fire Operation/Service (EFO/EFS) 4 Express Mode (EHS, EMT) 5 Independent Service (ISC) 6 Normal Mode (Auto) 7 Overload (OLD) 8 Shutdown Note: For PI=7 only	DAB
20	GPI	4	Type of serial Position Indicator for Group Link: 0 7/16 Segment 1 Serial Multilight via RIB 2 7 Segment-PI and LM-PI via RIB 3 Brazilian 10-Segment 4 OTIS 2000: LCD and ELD 5 Australian Dot Matrix (uses also IO 975, 976) 6 Australian Dot Matrix and Direction Indicator (uses also IO 975, 976) 7 Korean PI (need to set CPI-JWL*; since DAB) Note: Only applicable if the board supports 3 RSL links	BAA
21	GPI-POS	0	Type of Position Info for GPI 0 Actual Floor 1 Next Committable Floor 2 Falling Edge of DZ	BAA

1. SYSTEM

No.	Symbol	Default	Purpose and Range	Since
22	GPI-OPT	0	Vendor GPI option 0 no option 1 returning to ground floor 2 overloaded 4 out of service 8 lift on firefighting service note: if more than one of the above options should be available then you must add the appropriate numbers (e.g. to select 1+4 you must program 5)	BAA
23	ELD-fOPG	20	front door movement time: opening Time the front door needs to open 0 (0.1) 10.0 s 0 = automatic (not yet implemented) Note: CPI-11 only (PI=4)	
24	ELD-fCLG	20	front door movement time: closing Time the front door needs to close 0 (0.1) 10.0 s 0 = automatic (not yet implemented) Note: CPI-11 only (PI=4)	
25	ELD-rOPG	20	rear door movement time: opening Time the rear door needs to open 0 (0.1) 10.0 s 0 = automatic (not yet implemented) Note: CPI-11 only (PI=4)	
26	ELD-rCLG	20	rear door movement time: closing Time the rear door needs to close 0 (0.1) 10.0 s 0 = automatic (not yet implemented) Note: CPI-11 only (PI=4)	

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No.	Symbol	Default	Purpose and Range	Since
27	ELD-LNG	5	Set Language for ELD: 0 (1) 27 0 = SwiGer, 1 = SwiFra, 2 = Swilta, 3 = France, 4 = Italy, 5 = UK, 6 = Spain, 7 = Netherlnd, 8 = Germany, 9 = Austria, 10 = Sweden, 11 = Luxem, 12 = Belgium, 13 = Portugal, 14 = Egypt, 15 = Denmark 16 = SthAfrica, 17 = Finland, 18 = Arabia, 19 = Kuwait, 20 = Moscow, 21 = StPetrbrg, 22 = not used, 23 = AGB, 24 = Hungary, 25 = Poland, 26 = Czech, 27 = UKB Note: CPI-11 only (PI=4)	
28	ELD-Sym1	0	Enable Non-Smoking symbol: 0 No Symbol on ELD 1 NoSmoking symbol is displayed Note: CPI-11 only (PI=4)	
29	ELD-DOOR	0	Select Type of Door Display: 0: 1 COP for 1 door or 2 COPs for 2 doors (use dummy plug for rear ELD) 1: only 1 COP for 2 doors Note: CPI-11 only (PI=4)	
30	ELD-MSG	0	Enables Customer Messages on ELD: 0 no customer messages are displayed (existing customer messages will be deleted at the next PowerOn) 1 customer messages are enabled ELD must be reinitialized if the Position Indicator Setup is changed (use SETUP-ELD to define the texts) Note: CPI-11 only (PI=4)	
31	EN-SFR	0	Enable SFR (signal flicker): Select that the outputs will blink (instead of being constantly illumi- nated) when activated: 0 Disabled 1 single devices BUZ, EQL, ERL, FDL, FSL, HEL, INLC, NSLC, OLS, PFL, CRFL, EFOL, ARL, DUPL	
32	LR-T	20	Light Relay time (IO 0026, PX2:1): A parking car will switch off the car light after LR-T. The CPI-11 (ELD) is also switched off after this time. 0 (1) 255 seconds if LR-MODE=0,1 0 (1) 255 minutes if LR-MODE=2,3 Note: LR-T is started after the car has become IDLE. As soon as LR-T has expired the LR output is activated and the ELD (CPI-11) is switched to Sleep-Mode.	

1. SYSTEM

No.	Symbol	Default	Purpose and Range	Since
33	LR-MODE	0	Fan / Light Relay mode option (IO 0026, PX2:1): 0 LR pulls after LR-T <u>seconds</u> only when door closed (Light) 1 LR pulls after LR-T <u>seconds</u> even if door is opened (Fan) 2 LR pulls after LR-T <u>minutes</u> only when door closed (Light) 3 LR pulls after LR-T <u>minutes</u> even if door is opened (Fan)	
34	CLR-RUN	0	Continue Run with Failed Car Light (I/O 1000 CLR): 0 do not start when car light is off 1 continue run even if car light is off	DAB
35	FAN-T	60	Fan Relay time (IO 0026, PX2:1) Time for Car Fan to stay on after FAN Button has been operated 0 Fan is switched on or off each time the button is pushed 1 (1) 255 seconds FAN Button is connected to any of the I/Os 1083 FAN, 1084 RFAN, 1085 HCFAN	BAA
36	EN-HLC	0	Enable Hall Lanterns on car calls: 0 Hall lanterns will operate only on hall calls 1 Hall lanterns will operate on hall and car calls 2 like 0, but also during door closing 3 like 1, but also during door closing +4 Advanced Hall Lantern (add 4 to the above values) (since BAA)	
37	HDL-TYP	0	Hall Direction/Lantern Type for OTIS 2000 Hall Button Box (IOs 814ff, 846ff): 0 Direction Indicator 1 Hall Lantern	
38	HL-SET	0	Hall Lantern/Gong Setup: 0 Lantern and Gong at same pins 1 Lantern and Gong at different pins (RS4A) 2 NAO Chime board 3 Compass ICA Lanterns (gong on different pins)	
39	CR-DIR	0	Correction Fast Run Preferred Direction: 0 Down 1 Up	

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1. SYSTEM				
No.	Symbol	Default	Purpose and Range	Since
40	CR-DO	0	Door opening after Correction Run 0 no door opens 1 only front door opens 2 only rear door opens 3 both front and rear door will open note: After TCI/ERO the DO2000 needs a new initialization run. Normally the door is not opened after COR so that the init run is done upon the first demand which is usually a hall call. Therefore the passenger might wonder about the slow door movement. With this parameter you can select that the door opens immediately after completion of a correction run. The door movement for the first demand will then be done with a normal door profile.	
41	ERO-TYP	0	Define ERO type 0 without limit 1 car stops at terminal landings (same as TCI-limit)	
42	REM-TYP	2	Type of installed REM 0 REM-5 1 REM-G 2 REM-5 (same as REM-TYP=0) 3 REM-5 for ACG (DW mapped to DO signal) (since DAB) 4 REM-5 or Communication Gateway with new OOS reason (since DAB) 5 as 4, but for ACG (since DAB) Note: REM-TYP=2 has been added for compatibility with similar software baselines. In this baseline REM-TYP=0 and REM-TYP=2 are the same.	
43	CPC-TYP	0	Select use of CPC outputs: <u>0 car position contact</u> The output at a landing is switched on if the car is at that landing (even if the car is moving) <u>1 car here light</u> The output at a landing is switched on if the car is at that landing (only if the car has stopped) <u>2 french SSM</u> <u>3 Arrival Hall Lantern (AHL-2)</u> The output at a landing is switched on if the car is at that landing (only if this landing is the target landing)	

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1. SYSTEM

No.	Symbol	Default	Purpose and Range	Since
44	DFCR-DEL	0	Delay for DFC-Relay 0 disabled 1 (1) 255 s delay for which DFCR output is kept active after DFC input has been opened Note: For Module BDC	
45	LW-TYP	0	Load Weighing Type 0 external via CAN (drive or LWB2 in the car) 1 external via CAN (drive with dynacell on the hitch) 2 discrete via RSL inputs in the car 3 same as external via CAN (hitch) but ANSL by Load from LWB is added (for ACD2, since DAB) 254 permanent OLD active 255 disabled (OLD disabled for code tests)	BAA
46	PX2.1	0	select use of PX2.1 output 0 LR light relay (like I/O 0026) 1 UD trip counter (like I/O 805)	BAA
47	HWY-TYP	0	Hoistway Type: 0 normal 1 Low Overhead 2 Shallow Pit 3 Low Overhead and Shallow Pit (1+2)	DAB
48	DBL-OPT	0	Door Button Lamp Control (DOBL/DCBL): 0 No DOBL/DCBL 1 Button Response (Lamp on when button pressed) 2 not used 3 Button Response and Blinking (Lamp on when button pressed, blinking when available) Note: I/Os 1108 DOBL, 1109 DCBL, 1110 RDOBL, 1111 RDCBL	DAB

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2. OCSS

No.	Symbol	Default	Purpose and Range	Since
0	CPR-T	20	Car Call Preference: This is the duration for which car calls have priority over hall calls after the doors are opened. This is usable e.g. for Single Automatic Push Button (SAPB) and Down Collective operation (DCL). 0 (0.1) 25.5 s	
1	ARD-P	255	Automatic Return Device Position: If no further calls are pending, the car will return to this floor after ARD-T has expired. 0 (1) 99 > 99 Disabled Note: Simplex only	
2	ARD-T	0	Set Delay for ARD (Automatic Return Device) mode: 0 (10) 2550 s	
3	ARBL-T	0	Delay for Automatic Return To Bottom Landing ARBL means that the car moves to the lowest landing after a selectable period of time. This Park Run is performed even for special OCSS modes as e.g. ISC or ATT. It also allows lobby parking (ARD-T) in presence of basement floors without defeating code requirements. 0 (10) 2540 s 255 disabled Note: This parameter must be larger than ARD-T to take effect.	
4	ARBL-PRK	0	ARBL park option 0 stay at bottom after ARBL has been performed 1 return to previous park landing after ARBL has been performed	
5	PKS-P	255	Parking Service Position: The car moves to this landing if PKS is operated. After opening and closing of the door the car is shut down with DOB enabled. 0 (1) 99 > 99 Disabled	
6	PKS-TYP	0	Parking Shutoff Type: 0 After serving all pending car calls, car will return to PKS position and shutdown after PKS-T seconds 1 Same as above, but can be switched to ISC until car has shutdown at PKS position 2 Like 0, but car will shut down with door open	

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2. OCSS				
No.	Symbol	Default	Purpose and Range	Since
7	PKS-T	0	Parking Shutoff Time: Time after which the car is shut down at PKS-P 0 (1) 255 s	
8	PKS-DO	0	PKS default door: 0 Both doors will open at PKS-P 1 Only front door opens 2 Only rear door opens	
9	EN-SHB	0	Enable Separate Hall Buttons: 0 Normal HB-operation 1 Rear HB as Separate Riser Note: only available for elevators without any rear door	
10	EN-EXT	0	Enable Extended Calls 0 Disabled 1 Enabled Note: only available if "SEL-COMP>=3" (Ring ICD 4.2)	AAB
11	DCP-T	50	Time until DCP-mode (delayed car protection): When door is kept open longer than DCP-T, the car will be taken out of group operation. Hall calls assigned to this car will be re-dispatched. If enabled by EN-NDG, the door will start to nudge. 25 (1) 255 s	
12	CTL-DO	0	CTL default door (car to any landing): 0 Both doors will open at CTL-P 1 Only front door opens at CTL-P 2 Only rear door opens at CTL-P	
13	CTL-P	255	CTL (Car To Any Landing) position: The car moves to this landing if CTL input is activated. 0 (1) 99 > 99 Disabled	
14	CTL-TYP	0	CTL Type of Operation: 0 Standard Operation 1 Shutdown of car via ISS (IO 0004)	BAA
15	ANS	0	ANS (Anti Nuisance Service): 0 Disabled >0 Number of calls required to cancel all calls if car is loaded with ANS load (input: LWX)	
16	OLD-TYP	0	Type of Overload handling 0 OLD-1 (car calls are deleted) 1 OLD-2 (car calls are remembered)	

2. OCSS

No.	Symbol	Default	Purpose and Range	Since
17	ANS(kg)	100	upper limit for Anti Nuisance ANS: 30 (1) 250 kg Note: Only for LW-TYP = 1 and 3	BAA
18	PEAK(%)	50	Lower Limit for PEAK Load: 30 (1) 70 % Note: Only for LW-TYP = 1 and 3	BAA
19	LNS(%)	80	Lower Limit for LNS load 50 (1) 95 % Note: Only for LW-TYP = 1 and 3	BAA
20	OLD(%)	110	Lower Limit for OLD load 100 (1) 110 % Note: Only for LW-TYP = 1 and 3	BAA
21	ATT	0	ATT (Attendant Service) type: 0 Press DCB or RDCB until the door is fully closed 1 Press ATTU or ATTD until the door is fully closed 2 Like 0, but the door may also be closed without any demand	
22	ISC	0	Independent Service: 0 Start on constant pressure of CCB 1 Start on constant pressure of DCB/RDCB 2 Start on ISD/ISU 3 as CHCS, Start on constant pressure of DCB/RDCB 4 Start on momentary pressure of CCB	
23	ISPS-TYP	0	Independent Service Park Switch (IO 638) 0 car calls allowed when ISPS active 1 no car calls allowed when ISPS active	
24	ISC-T	0	Independent Service Close Timeout When Fire Proof Doors are installed it is not allowed to park with doors opened. This parameter sets a maximum duration after which the door is closed in ISC. 0 (1) 30 s max door open time when FPD is installed	
25	SPEECH	0	Speech Mode: 0 Floor message on CC only 1 Floor message also on HC	

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No.	Symbol	Default	Purpose and Range	Since
26	CPMT-D	0	Car Position Message Trigger for Vendor type SSM 0 (0.1) 25.5 sec	
27	DCMT-A	0	Door Close Message Trigger for Vendor type SSM 0 (0.1) 25.5 sec	
28	DOMT-O	0	Door Open Message Trigger Option for Vendor type SSM 0 trigger on opening and reopen 1 trigger on opening only	
29	HANDIC-D	0	Handicapped Speech Message Delay Handicapped Message is announced x sec after door is completely opened. 0 (1) 15 sec	AAB
30	HANDIC-R	1	Handicapped Speech Message Repeat Rate Handicapped Message is repeated every x sec. 1 (1) 15 sec	AAB
31	DOC	0	Door Reopen Count: Number of times the car will reopen the doors if a hall call is entered while the door is closing. If that limit is exceeded, the door will continue to close and the car starts 0 No limit 1 Disabled 2 (1) 253 Number of allowed door reopenings 254 HB works as DOB (HB-DOB) 255 No limit	
32	DS-CCB	0	Disable CCs behind moving car: The entry of car calls into the opposite direction can be disabled. 0 CCs behind allowed 1 CCs behind not allowed	
33	DS-DOB	0	Disable DOB button: 0 DOB/RDOB always enabled 1 DOB disabled if door closed 2 RDOB disabled if door closed 3 Both disabled if door closed	
34	EN-RB	0	Enable car call Reset Button (IO 627, 725) 1 enabled in ATT mode 2 enabled in CIHC mode 4 enabled in EFS mode 8 enabled in ISC mode note: if more than one of the above options should be available then you must add the appropriate numbers (e.g. to select 1+4 you must program 5)	

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2. OCSS				
No.	Symbol	Default	Purpose and Range	Since
35	DHB-TYP	0	Enable DoorHoldButton for CARGO 2000 (IOs 620,628) DHB doortime can be canceled by... 0 press DCB or any CCB (in this case the DHB-T is a 1-sec-timer 1 press DCB or any CCB, or press DHB again (in this case the DHB-T is a 10-sec-timer!)	
36	FIX-PRK	0	Enable Fixed Zone Parking: 0 (1) 8 Number of Fixed Zones	BAA
37	FIX-MASK	255	Enable Fixed Zone Parking: 1 Bit for each zone where the car is allowed to park in	BAA
38	PARK-1	255	Park Clock Position 1: Simplex: If PCLKx is operated, the car will park at PARK-x instead of ARD-P. PCLK1 has highest, PCLK8 has lowest priority. Group: Bottom position of the Fixed Parking Zone x. 0 (1) 99 > 99 Disabled Note: Simplex only	
39	PARK-1 T	255	Park Zone 1 Top positon (group only): Top position of the Fixed Parking Zone x. 0 (1) 99 >99 Disabled	BAA
40	PARK-2	255	Park Clock Position 2: 0 (1) 99 > 99 Disabled Note: Simplex only	
41	PARK-2 T	255	Park Zone 2 Top positon (group only): 0 (1) 99 >99 Disabled	BAA
42	PARK-3	255	Park Clock Position 3: 0 (1) 99 > 99 Disabled Note: Simplex only	
43	PARK-3 T	255	Park Zone 3 Top positon (group only): 0 (1) 99 >99 Disabled	BAA
44	PARK-4	255	Park Clock Position 4: 0 (1) 99 > 99 Disabled Note: Simplex only	

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45	PARK-4 T	255	Park Zone 4 Top positon (group only): 0 (1) 99 >99 Disabled	BAA
46	PARK-5	255	Park Clock Position 5: 0 (1) 99 > 99 Disabled Note: Simplex only	
47	PARK-5 T	255	Park Zone 5 Top positon (group only): 0 (1) 99 >99 Disabled	BAA
48	PARK-6	255	Park Clock Position 6: 0 (1) 99 > 99 Disabled Note: Simplex only	
49	PARK-6 T	255	Park Zone 6 Top positon (group only): 0 (1) 99 >99 Disabled	BAA
50	PARK-7	255	Park Clock Position 7: 0 (1) 99 > 99 Disabled Note: Simplex only	
51	PARK-7 T	255	Park Zone 7 Top positon (group only): 0 (1) 99 >99 Disabled	BAA
52	PARK-8	255	Park Clock Position 8: 0 (1) 99 > 99 Disabled Note: Simplex only	
53	PARK-8 T	255	Park Zone 8 Top positon (group only): 0 (1) 99 >99 Disabled	BAA
54	CBP-POS	255	Enable Car Button Protection 0(1)99 > 99 disabled Uses I/Os 1058 CARFBK1 and 1059 CARTST1	BAA
55	CBP-DO	1	Door to open in CBP mode 0 both doors to open 1 front door to open 2 rear door to open	BAA

2. OCSS

No.	Symbol	Default	Purpose and Range	Since
56	SHO-POS	0	Shabat Operation Starting Position 0(1)99 car moves to this position before starting SHO >100 SHO disabled	BAA
57	SHO-PI	0	Enable Position Indicator during Shabat Operation 0 PI is enabled 1 PI is switched off	BAA
58	SHO/WCO	0	Use 4th Allowed Mask for SHO/WCO 0 serve all landings in SHO/WCO 1 use 4th Allowed Mask	BAA
59	EN-HCC	0	Enable Hall Call Cancel by Hall Button: 0 Disable Hall Call Cancel 1 Push Hall Button once to cancel an existing hall call 2 Push Hall Button twice to cancel an existing hall call	DAB

3. GROUP

No.	Symbol	Default	Purpose and Range	Since
0	GRP-NO	1	Car identifier in group: 1 (1) 8	
1	GROUP	1	Number of cars in group: 1 (1) 8	
2	CNL	1	Cars parking in Lobby: 0 group parking disabled 1 (1) 8 number of cars parking in lobby Note: Set CNL=0 to avoid parking at the lobby	
3	CNL-MIN	1	Minimum Cars available to park CNL cars in Lobby: 0 (1) 8 number of cars which must be available in the group to enable CNL.	BAA
4	LOB-D	0	Delay type for Lobby Park run 0 no delay at all 1 other car in NOR is going to Lobby	BAA
5	PRK-T	0	Delay for Park run: 0 (0.1) 25.5 seconds delay before parking	BAA
6	PRK-SEC	0	Secured parking: 0 parking always allowed 1 do not park on floor where hall calls are disabled	BAA
7	PRK-INT	0	Interval for park optimization: 0 (1) 255 minutes	BAA
8	RSR-RSP	0	Rated Speed Penalty for RSR-Dispatcher 0 (1) 8 Use this parameter to adapt the Dispatcher algorithm for the slower car in the group. The parameters for the fast cars should be set to zero. Calculate the parameter using the following formula: $RSR-RSP = (\text{speed}(\text{fast unit}) / \text{speed}(\text{slow unit})) * 4 - 4$ example: This unit moves 1.2 m/s, the others move 1.6 m/s: $(1.6 / 1.2) * 4 - 4 = 1.3 \rightarrow$ set RSR-RSP=1 for this unit.	
9	HC-PASS	0	Disable Hall Call Passing 0 Normal hall call dispatching every second 1 Redispatch all hall calls at the next landing which are assigned to a different car.	

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3. GROUP

No.	Symbol	Default	Purpose and Range	Since
10	MIT-TYP	0	MIT (Moderate Incoming Traffic) Type 0 MIT disabled 1 Traffic Induced 2 Clock induced	BAA
11	MIT-ST	0	MIT (Moderate incoming traffic) Start Time: If, within MIT-ST seconds, two cars leave the lobby with LNS load, then MIT is initiated. 0 (1) 255 s	
12	MIT-T	0	MIT Time-Out: If, within MIT-T seconds, no car leaves the lobby with LNS load, then MIT is suspended. 0 (1) 255 s	
13	MIT-LD	70	MIT car load to trigger MIT in percent of rated car load. 0 (1) 127%	BAA
14	MITminVD	7	Minimum value for MIT Variable Interval Dispatch: An assigned car at the lobby will leave the lobby if calls are pending and VID is expired or if it becomes loaded up to LNS load. The VID equals the average round trip time for the last three cars divided by the number of cars at the lobby. VID is always kept within the limits MITminVD and MITmaxVD. In ideal conditions this will result in cars arriving at the lobby as they are needed 7 (1) 60 s	BAA
15	MITmaxVD	30	Maximum value for MIT Variable Interval Dispatch: 7 (1) 60 s	BAA
16	MIT-DOOR	0	MIT Default Door If car is waiting at the lobby for being selected 0 wait with opened door 1 wait with closed door	
17	MIT-NLB	0	MIT No Lobby Bypass 0 Answer hall calls while moving to the lobby 1 Dont answer hall calls	
18	DUPK-P	255	Dual Up Peak Border Position: The elevator group is split into two subgroups if the DUPK input is operated. The selected landing DUPK-P divides the groups. 0 (1) 99 > 99 Disabled	

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3. GROUP

No.	Symbol	Default	Purpose and Range	Since
19	DUPK-G	0	Dual Up Peak Group: <u>0</u> Car belongs to subgroup 1. Car serves lobby landing and all landings below DUPK-P landing, but answers no hall calls. <u>1</u> Car belongs to subgroup 2 Car serves lobby landing and all landings above DUPK-P landing. This car responds to hall calls	
20	MOT-T	0	MOT (Moderate Outgoing traffic) Time-Out: If, within MOT-T seconds, two cars with LNS load arrive at the lobby, then MOT is initiated. If then no car arrives at lobby with LNS load within the same time interval again, the MOT operation is suspended. 0 (1) 255 s	
21	EN-UCB	0	Enable Up Call Bypass during MOT: 0 Car responds to both up and down hall calls 1 Car responds only to down hall calls	
22	TFS-P	255	Transfer Floor Position: If a group is split into low and high rise subgroups, this is the position where passengers transfer between these subgroups. 0 (1) 99 > 99 Disabled	
23	EN-ZBS	0	Enable separate basement zone: 0 No free car parks in basement zone 1 A free car parks in basement zone	
24	MIN-ZBS	0	Minimum # of available cars to have Separate Basement Zone: 0 No free car parks in basement zone 1 - 8 A free car parks in basement zone if enough cars are available	BAA
25	ELZ-POS	0	Expanded Lobby Zone Position: 0 (1) 99 enabled > 99 disabled	BAA

3. GROUP

No.	Symbol	Default	Purpose and Range	Since
26	SEL-COMP	0	Select Compatible Communication 0 <u>MCS120 / 220 / 220M / Gen2 / Gen2-C</u> (max. 3-car-group - Ring ICD 3.3) 1 <u>MCS310 with G44 software</u> (max. 2-car-group - Ring ICD 3.0) Requires RNG-BAUD=0 2 <u>MCS310 with G57 software</u> (max. 2-car-group - Ring ICD 3.3) Requires RNG-BAUD=0 3 <u>Gen2-C / Gen2-CX / Gen2-R</u> (max. 5-car-group - Ring ICD 4.2) Not compatible to MCS321, MCS411! <u>GCS222MMR / Compass</u> (max. 8-car-group - Ring ICD 5.1 or higher) Not compatible to MCS321, MCS411! Note: This parameter takes effect after next Power-On	
27	RNG-BAUD	0	Baudrate for Ring Communication 0 9600 baud 1 19200 baud (Not for SEL-COMP=1, 2)	
28	L-PARK	0	Lobby Park Option A second car moves into lobby when the car which parks at lobby... 0 receives a demand 1 leaves the lobby Note: only for SEL-COMP=1,2	
29	PRKDST	0	Minimum Distance to park target to do park run A park run is only performed if the distance to the destination floor is greater than the number given by this parameter. 0 (1) 99	
30	EN-GSS	0	Group Successive Starting If a building has limited emergency power supply it must be ensured that multiple cars do not start simultaneously. Groups use the Ring Communication while simplex cars use remote I/Os to lock each other: If the GSSI input is active the car does not start. If the GSSI input is inactive the car sets its GSSO output (which is connected to the other cars GSSI input) for the duration MG-DEL and starts. 0 disabled 1 GSS triggered by remote I/Os GSSI (972), GSSO (973) for multiple simplex cars 2 GSS triggered by serial group communication Note: during EPO only	

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3. GROUP				
No.	Symbol	Default	Purpose and Range	Since
31	MG-DEL	0	Motor Generator Delay for GSS 0 (1) 255 s note: this delay depends on the duration of the acceleration phase Note: during EPO only	
32	DEST-DE	0	Destination Entry enabled for Compass 1 Destination Entry Devices enabled 2 Annunciator installed 4 COP visible 8 Passenger Transfer Type (0: LRD, 1: DOL) 16 not used 32 Remove Car Calls for Split Group (since DAB) note: if more than one of the above options should be available then you must add the appropriate numbers (e.g. to select 1+4 you must program 5)	AAB
33	GCB-EN	0	enable Group Control Board for Compass 0 not installed 8 GCB installed else not installed 0 (1) 8	AAB
34	HBP-POS	255	Position for Hall Button Protection 0 (1) 99 > 99 disabled	AAB
35	HBP-DO	0	door to open in HBP Mode 0 both doors to open 1 front door to open 2 rear door to open	AAB
36	ADF-POS1	255	Alternate Dispatch Floor 1 Floor which will be used as lobby if ADFK1 is activated 0 (1) 99 > 99 disabled	BAA
37	ADF-POS2	255	Alternate Dispatch Floor 2 Floor which will be used as lobby if ADFK2 is activated 0 (1) 99 > 99 disabled	BAA
38	ADF-POS3	255	Alternate Dispatch Floor 3 Floor which will be used as lobby if ADFK3 is activated 0 (1) 99 > 99 disabled	BAA

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3. GROUP				
No.	Symbol	Default	Purpose and Range	Since
39	SGO-M1	0	Split Group Mask 1 SGO-M1 is activated by the I/O 1065 SGOK1. This is a bitmask, which defines which car belongs to the same sub-group. 1 Car shares group with A 2 Car shares group with B 4 Car shares group with C 8 Car shares group with D 16 Car shares group with E 32 Car shares group with F 64 Car shares group with G 128 Car shares group with H Add the above values to define the subgroup. Example: If a car belongs to the subgroup A+B+C, then this parameter must be set to 7 (1+2+4) on these three cars.	BAA
40	SGO-M2	0	Split Group Mask 2 SGO-M2 is activated by the I/O 1066 SGOK2. See SGO-M1 for an explanation of this bitmask.	BAA
41	SGO-M3	0	Split Group Mask 3 SGO-M3 is activated by the I/O 1067 SGOK3. See SGO-M1 for an explanation of this bitmask.	BAA
42	SGO-M4	0	Split Group Mask 4 SGO-M4 is activated by the I/O 1068 SGOK4. See SGO-M1 for an explanation of this bitmask.	BAA
43	SGO-M5	0	Split Group Mask 5 SGO-M5 is activated by the I/O 1069 SGOK5. See SGO-M1 for an explanation of this bitmask.	BAA
44	SGO-M6	0	Split Group Mask 6 SGO-M6 is activated by the I/O 1070 SGOK6. See SGO-M1 for an explanation of this bitmask.	BAA
45	SGO-M7	0	Split Group Mask 7 SGO-M7 is activated by the I/O 1071 SGOK7. See SGO-M1 for an explanation of this bitmask.	BAA

4. DRIVE

No.	Symbol	Default	Purpose and Range	Since
0	DRV-TYP	0	Drive Type: 0 OVF-WW (Gen2 Controller) 1 OVF-40xR supporting ABL (GCS Controller) (since BAA)	
1	EN-ADO	1	Enable Advanced Door Opening 0 disabled (XADO) 1 enabled (ADO)	
2	EN-ABL	0	Enable Advanced Brake Lift: 0 disabled (XABL) 1 enabled (ABL) Note: Requires DRV-TYP=1 and GDS relay in the controller	BAA
3	SPEED	100	Speed (fast run mode): 0 (0.01) 2.55 m/s	
4	DUTY-HI	0	Highest Two Digits of Car Duty 00xx (01xx) 99xx kg Example: set DUTY-HI=11 for a duty of 1150 kg	AAB
5	DUTY-LOW	0	Lowest Two Digits of Car Duty xx00 (xx01) xx99 kg Example: set DUTY-LOW=50 for a duty of 1150 kg	AAB
6	PDR-D	0	Delay for Power-Down 0 Drive is never switched off 15 (1) 42 min Delay until the drive package is powered down.	
7	BRK-TYP	0	Type of Brake signal from Drive 0: discrete signal at TCBC (Gen2-C, Gen2-CX) 1: from drive via CAN bus (Gen2-R, Gen2-U, ACD) 255: no signal available	BAA

5. DOORS

No.	Symbol	Default	Purpose and Range	Since
0	DOOR	12	Type of Doors: 12 <u>DCSS-5</u> (RSL interface ST1, ST2, ST3) 13 <u>DCSS-5, AT120 with DOBF</u> (direct DOB) (RSL interface ST1, ST2, ST3) 14 <u>Serial Multidrop Door</u> (DCSS-5) (since BAA) Note: DOOR=12 requires that also REAR=12 is selected	
1	REAR	12	Type of Doors: 12 <u>DCSS-5</u> (RSL interface ST1, ST2, ST3) 13 <u>DCSS-5, AT120 with DOBF</u> (direct DOB) (RSL interface ST1, ST2, ST3) 14 <u>Serial Multidrop Door</u> (DCSS-5) (since BAA) Note: DOOR=12 requires that also REAR=12 is selected	
2	EN-DDO	0	Enable DDO (double door operation): Select that both front and rear door will open simultaneously 0 Disabled 1 double door on car call and on hall call 2 double door on car call, selected door on hall call	
3	F:EN-ACG	0	enable DW input for ACG (front): 0 automatic front hoistway doors (TLD/CLD) 1 manual front hoistway doors (ACG)	DAB
4	R:EN-ACG	0	enable DW input for ACG (rear): 0 automatic rear hoistway doors (TLD/CLD) 1 manual rear hoistway doors (ACG)	DAB
5	CM-PROT	0	max. ON-time of CMR when car stops in ERO When cam is dropped, it is not possible to detect UIB or DIB because the safety chain is opened by DS. Therefore the CM must be energized during ERO. This parameter gives the duration after which the CMR is dropped to protect the cam from burning. 0 CMR not pulled 1 (1) 254 [10 s] CMR drops after specified time (CMR pulls again when moving or switched to NOR) 255 no protection: CMR is always pulled during ERO (100% ED required)	DAB

5. DOORS

No.	Symbol	Default	Purpose and Range	Since
6	LDR	0	Limited Door Reversal: 0 Full DOB, full EDP, full LRD 1 Full DOB, limited EDP, full LRD	
7	EN-PMO	0	Enable PMO (door time monitoring): If the actual door time is longer than 2 seconds and the LRD input is operated, door time will be decreased to 2 seconds. If the door time already is less than 2 seconds it will be decreased by 0.5 seconds 0 Disabled 1 Enabled	
8	EN-NDG	0	Enable NDG (nudging): 0 Disabled 1 Enabled	
9	NDG-T	20	Nudging Time: 10 (1) 255 s	
10	EN-CK	0	Enable Cancel Doortime with CCB: 0 disabled 1 enable CK 2 enable CBC 3 enable CK and CBC note: CK =cancel doortime with car button CBC =cancel registered car call with car button (press twice)	
11	DW-DLY	10	Debouncing Time of Door Contact DW (for ACG only): This parameter is used to delay pulling CMR after the landing door has been closed. 0 (0.1) 02.0 s	DAB
12	TLD-DW-D	0	DW-Delay for TLD/CLD doors Debouncing time for the DW input (door lock contact) of automatic landing doors. 0 (0.1) 2.0 s	BAA
13	DO-BEL	0	Open Door Bell Timer: 0 (0.1) 25.5 s	
14	MN-C	20	Min Doortime Car: The doortime for calls is automatically adjusted between MIN-C and MAX-C. If door time is expired and DOB is still operated, this will increase the door time by 0.2 s at the next stop, otherwise door time is decreased by 0.2 sec. 0.3 (0.1) 25.5 s	

5. DOORS

No.	Symbol	Default	Purpose and Range	Since
15	MAX-C	40	Max Doortime Car: 0 (0.1) 25.5 s	
16	MIN-H	40	Min Doortime Hall: The doortime for calls is automatically adjusted between MIN-H and MAX-H. If door time is expired and DOB is still operated, this will increase the door time by 0.2 s at the next stop, otherwise door time is decreased by 0.2 sec. 0.3 (0.1) 25.5 s	
17	MAX-H	60	Max Doortime Hall: 0 (0.1) 25.5 s	
18	EXT-C	80	Doortime for Extended Car Calls 0 (0.1) 25.5 s	AAB
19	EXT-H	30	Doortime for Extended Hall Calls 0 (1) 255 s	AAB
20	DOR-T	20	Door reverse time: Applicable only to doors where the GECB directly controls DO and DC relays, e.g., not applicable to DOOR type 14. Specifies the amount of time to delay after dropping one relay and before energizing the other to reverse the doors. 0.08 (0.004) 1.02 s	
21	RDOR-T	20	Rear door reverse time: Applicable only to doors where the GECB directly controls DO and DC relays, e.g., not applicable to DOOR type 14. Specifies the amount of time to delay after dropping one relay and before energizing the other to reverse the doors. 0.08 (0.004) 1.02 s	
22	DTC-T	20	Door Close Protection Time: If the door cannot fully close within DTC-T then the door will reopen and try to close again. After three unsuccessful tries the elevator is shut down. 10 (1) 254 s DTC-time 255 Disabled	
23	DTO-T	20	Door Open Protection Time: If the door cannot fully open within DTO-T then the door will close and tries to open at the next. After three unsuccessful tries the elevator is shut down 10 (1) 254 s DTO-time 255 Disabled	

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5. DOORS				
No.	Symbol	Default	Purpose and Range	Since
24	LOB-NT	40	Lobby Door Time: This door time is used at LOBBY if it is longer than MIN-H 0 (0.1) 25.5 s	
25	CFT-NT	40	Cafeteria Door Time: This door time is used at CFT-P if it is longer than MIN-H. 0 (0.1) 25.5 s	
26	SPB-NT	0	Special DOB Door Time: If the Special DOB (SDB/RSDB) is operated and it is enabled via the 3rd allowed mask for the current landing, the special door time SPB-NT will be used instead of the normal door time. 0 (0.1) 25.5 s	
27	DHB-T	120	DHB Doortime: Defines the doortime when DHB/RDHB is pressed. The used timer is either a 1-sec-timer or a 10-sec-timer depending on the parameter DHB-TYP. 0 (1) 255 s for DHB-TYP=0 (see 2-OCSS) 0 (10) 2550sfor DHB-TYP=1 (see 2-OCSS)	
28	WCO-T	0	Wild Car Door Time: On wild car operation the car runs continously from floor to floor serving all landings. This door time has to be set to a value that ensures that the maximum number of runs per hour allowed for the drive can not be exceeded. Note that this parameter is ignored if it is lower than MIN-C. 0 (0.1) 25.5 s	
29	SHO-T	0	Shabat Door Time: 0 (0.1) 25.5 s	
30	SHO-LT	0	Shabat Door Time Extension at lobby: 0 (1) 255 Door Time = SHO-T + (SHO-LT * SHO-T)	
31	DAR-T	60	Door Time for Automatic Release: n case of a fault the door is kept open for DAR-T and then closed. 15 (1) 255 s Note: Applies for MCLS, CLR, SKL, DLM, HAD, 1TH/2TH	
32	DXT-T	0	DXT Time (extended door time): Extends the door dwell time for a hall call if the car is already parking at that landing. 0 (0.1) 25.5 s	

5. DOORS

No.	Symbol	Default	Purpose and Range	Since
33	DCB-TYP	0	Type of Door Close Button Handling 0 <u>only while opened:</u> DCB is only enabled while the door is fully opened. DCB is ignored while the door is still moving. 1 <u>DCB latched:</u> DCB is also enabled while the door is opening. The door will fully open. 2 <u>immediate reverse:</u> The door will start to close as soon as the DCB is pressed.	BAA

6. POS.REF

No.	Symbol	Default	Purpose and Range	Since
0	DZ-TYP	0	DZ coding: 0 DZ = 1LV 1 DZ = 1LV and 2LV 2 POSY operation (if neither RLV nor ADO) to stop: DZ = 1LV and 2LV after stop: DZ = 1LV or 2LV	
1	EN-RLV	0	Enable Releveling 0 Disabled 1 Enabled Requires Door Bypass	
2	EN-PRBB	0	Enable Position Retention Buffer Board 0 Disabled - PRBB not present 1 Enabled - PRBB present	BAA

7. SERVICE

No.	Symbol	Default	Purpose and Range	Since
0	SPB-Type	0	Type of Service Panel Board 0 SPBC, SPBC_II, SPBC_III (e.g. Gen2-C, -CX) 255 no SPB installed (e.g. Gen2-R, ACD, GCS)	BAA
1	Encoder	13	Pulse Width of Speed Encoder for SPB 12 (1) 15 mm	
2	SDI-Max	30	Maximum speed value of SDI 0.02 (0.01) 0.60 m/s Speed at which all 8 LEDs of the Speed/Direction-Indicator are switched on. If during manual rescue operation the measured car speed is higher than this value, the LEDs are blinking and the buzzer is turned on.	
3	SDI-Dir	0	Direction of Speed and Direction Indicator 0 machine mounted on left side of hoistway 1 machine mounted on right side of hoistway Use this parameter to invert the display of the SDI.	
4	BRE-Max	10	Maximum speed for Brake Release Electrical 0.01 (0.01) 0.12 m/s Manual rescue operation: SPB drops the brake if the measured car speed is higher than BRE-MAX.	
5	SPB-Temp	60	Temperature Limit for Service Panel Board 30 (1) 70 degrees celsius HTS is activated if the SPB detects a temperature which is higher than SPB-TEMP.	

8. EMERG.

No.	Symbol	Default	Purpose and Range	Since
0	ES-TYP	0	Define ES-Type: <u>0</u> ESS car stops as long as input is activated door is deenergized <u>1</u> ESB / RSS car stops until a car call button is pressed. a door which was not closed will be opened	
1	ES-LRCU	0	LRCU selftest duration (IOs 964, 965, 966) 0-4 no selftest else delay for LRCU self-test	
2	EFO-P	255	EFO (emergency fireman operation) position: 0 (1) 99 > 99 Disabled note: This parameter is ignored for EFO-NC=1	
3	EFO-NC	0	EFO Next Commitable Position: 0 move to EFO-P 1 stop at next commitable landing; parameter EFO-P is ignored	
4	EFO-LOCK	0	EFO Target Lock 0 the car will move to smoke free landing if AEFO is activated 1 the car stays at the landing in any case	BAA
5	EFO-DC	0	EFO with Doors Closed: 0 The doors will be kept open at EFO-P 1 (1) 255 s After this time the doors will close at EFO-P	
6	EFO-DO	0	EFO default door: 0 Both doors will open at EFO position 1 Only front door opens 2 Only rear door opens	
7	EFO-OP	0	EFO override option: A defect EFO input (e.g. smoke sensor) may be ignored to enable normal function while EFO input is repaired. 0 No override possible 1 XEFO input overrides EFO after arrival at return landing 2 After EFS no EFO is permitted if EFO or AEFO are still active 3 Functions 1 + 2 together	

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