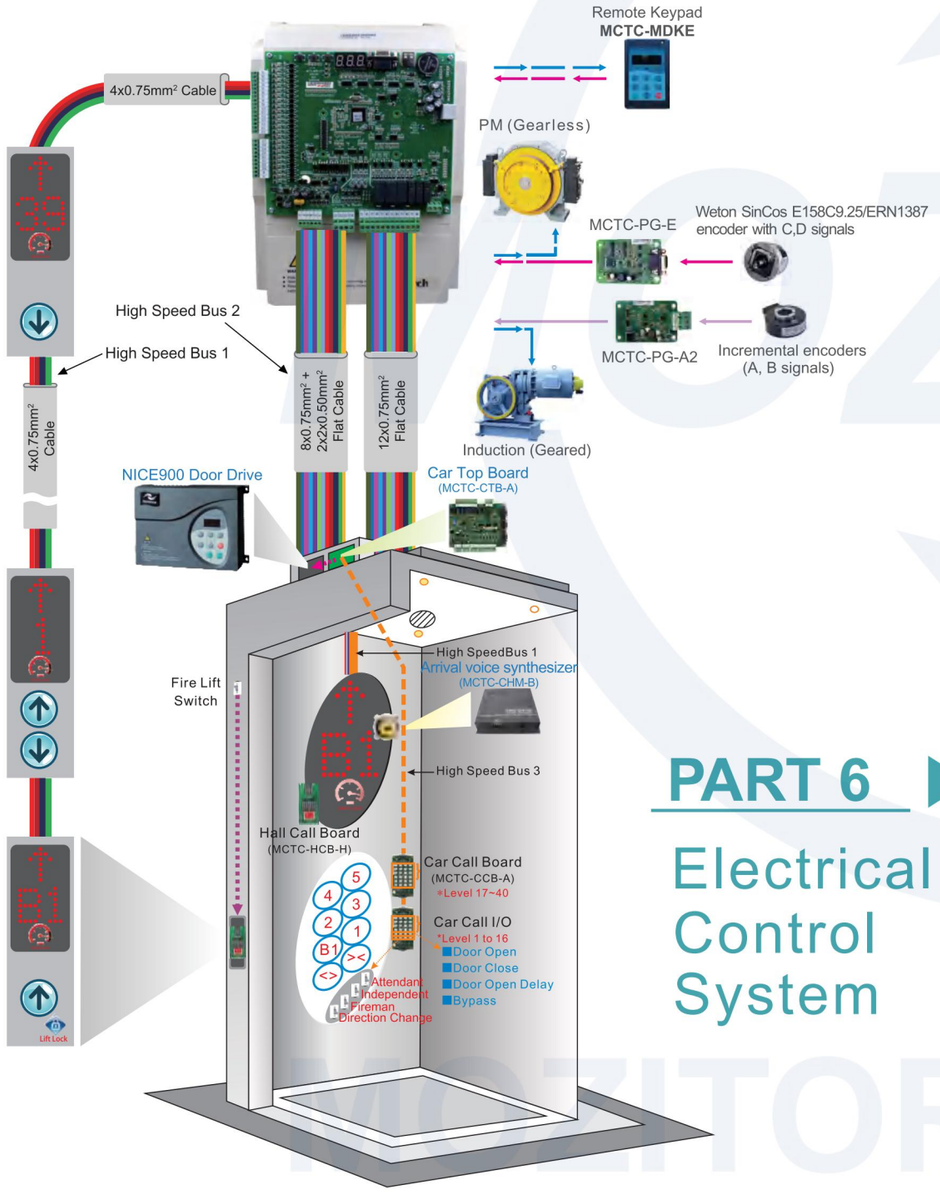
ELECTRICAL CONTROL SYSTEM

NICE3000+

Basic Connection Diagram

Standard 40-Floors Full Collective

LANDING OPERATION PANEL (LOP)	NICE3000+	Motor Type	Hot Pluggable Keypad
Standard	COP		Feedback Type



PART 6

Electrical Control System

ELECTRICAL CONTROL SYSTEM

Elevator Control Cabinet

MZT-3000



MZT-3000-01



MZT-3000-02



(Car-top Junction&Maintenance Box)



(Pit Maintenance Box)

Elevator Control Cabinet
Power: ≦15KW
Speed: ≦2.5m/s
Maximum Landing NO.: 40 (expanded)
Control System: NICE3000 Elevator Integrated Controller
Signal Acquisition Mode: In serial
Power Supply: AC 380V/3P, AC 220V/3P, AC 220V/1P
Applicable Elevator: MR Elevator
Applicable Motor: PM synchronous motor, AC asynchronism motor

MOZITOR ELEVATOR

Integrative Controller



MZT-NC-1000



MZT-NC-3000

MZT-NC-1000 Controller Model

3 Phase 380/400/415V

Model Code	frame	Input Current(A)	Cutput Current(A)	Typical Motor(KW)	Dimension			Dimension			Braking Unit
					Height(H)	Width(W)	Depth(D)	Max resistor(Ω)	Min resistor(Ω)	Power of braking resistor(W)	
MZT-L-H-4002	C	6.5	5.1	2.2	355.0mm	220.0mm	150.0mm	290.0	230.0	600	Built-in
MZT-L-H-4003	C	10.5	9.0	3.7	355.0mm	220.0mm	150.0mm	170.0	135.0	1100	
MZT-L-H-4005	C	14.8	13.0	5.5	355.0mm	220.0mm	150.0mm	115.0	90.0	1600	
MZT-L-H-4007	D	20.5	18.0	7.5	347.5mm	223.0mm	167.5mm	85.0	65.0	2500	
MZT-L-H-4011	D	29.0	27.0	11.0	347.5mm	223.0mm	167.5mm	55.0	43.0	3500	
MZT-L-H-4015	D	36.0	33.0	15.0	347.5mm	223.0mm	167.5mm	43.0	35.0	4500	
MZT-L-H-4018	E	41.0	39.0	18.5	554.5mm	289.6mm	223.0mm	34.0	25.0	5500	
MZT-L-H-4022	E	49.5	48.0	22.0	554.5mm	289.6mm	223.0mm	24.0	22.0	6500	
MZT-L-H-4030	E	62.0	60.0	30.0	554.5mm	289.6mm	223.0mm	20.0	16.0	9000	
MZT-L-H-4037	F	77.0	75.0	37.0	To be advised			16.0	13.0	11000	External
MZT-L-H-4045	F	93.0	91.0	45.0				14.0	11.0	13500	

MZT-NC-3000 NewController Model

3 Phase 380/400/415V

Model Code	frame	Input Current(A)	Cutput Current(A)	Typical Motor(KW)	Dimension			Dimension			Braking Unit
		30Ph	30Ph		Height(H)	Width(W)	Depth(D)	Max resistor(Ω)	Min resistor(Ω)	Power of braking resistor(W)	
MZT-L-C-4002	C	6.5	5.1	2.2	347.5mm	223.0mm	143.0mm	290.0	230.0	600	Built-in
MZT-L-C-4003	C	10.5	9.0	3.7	347.5mm	223.0mm	143.0mm	170.0	135.0	1100	
MZT-L-C-4005	C	14.8	13.0	5.5	347.5mm	223.0mm	143.0mm	115.0	90.0	1600	
MZT-L-C-4007	D	20.5	18.0	7.5	347.5mm	223.0mm	173.5mm	85.0	65.0	2500	
MZT-L-C-4011	D	29.0	27.0	11.0	347.5mm	223.0mm	173.5mm	55.0	43.0	3500	
MZT-L-C-4015	D	36.0	33.0	15.0	347.5mm	223.0mm	173.5mm	43.0	35.0	4500	
MZT-L-C-4018	E	41.0	39.0	18.5	350.0mm	210.0mm	188.0mm	34.0	25.0	5500	
MZT-L-C-4022	E	49.5	48.0	22.0	350.0mm	210.0mm	188.0mm	24.0	22.0	6500	
MZT-L-C-4030	E	62.0	60.0	30.0	554.5mm	289.6mm	223.0mm	20.0	16.0	9000	
MZT-L-C-4037	F	77.0	75.0	37.0	549.0mm	385.0mm	265.0mm	16.0	13.0	11000	External
MZT-L-C-4045	F	93.0	91.0	45.0	549.0mm	385.0mm	265.0mm	14.0	11.0	13500	

Accessories



Model No:MCTC-OPR



Model No: MCTC-PG-E



Model No:MCTC-PG-A2



Model No: MCTC-HCB-H



Model No: MCTC-HCB-R1



Model No: MCTC-HCB-G1



Model No: MCTC-CTB-A



Model No: MCTC-CCB-A



Model No: MCTC-CHM-B



Encoder for Synchronous Motor



Encoder for Asynchronous Motor



Resistor



Seven-Segment-Code
Segment display: vertical display
Display color: red
Input voltage: DC 24V
Parallel Input signal: 7 Segment
Function display: overload, inspection



Dot-Matrix display,vertical display
Display color: red
Input voltage: DC 24V
Parallel Input signal: BCD code,
Gray code Function display: overload, inspection



LCD display,vertical display
Display color: white with blue background
Input voltage: DC 24V
Parallel Input signal: BCD code,
Gray code Function display: overload, inspection

ELECTRICAL CONTROL SYSTEM

Cop & Lop



MZT-HEC110 MZT-HEX110



MZT-HEC130 MZT-HEX130



MZT-HEC150 MZT-HEX150



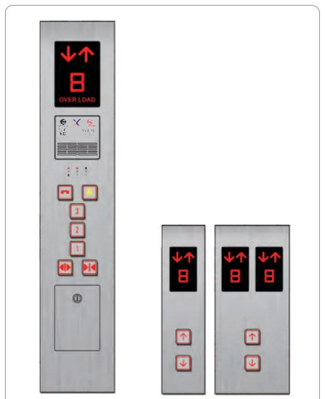
MZT-HEC160 MZT-HEX160



MZT-HEC181 MZT-HEX181 MZT-HEX181B



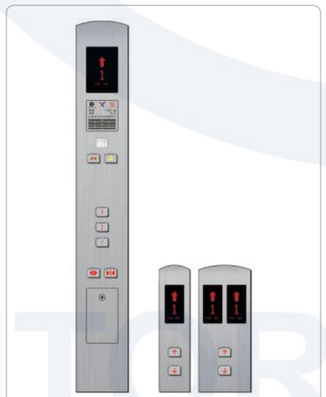
MZT-HEC182 MZT-HEX190 MZT-HEX190B



MZT-HCA MZT-HEX182 MZT-HEX182B



MZT-HEC185 MZT-HEX185 MZT-HEX185B



MZT-HEC200 MZT-HEX200 MZT-HEX200B

ELECTRICAL CONTROL SYSTEM

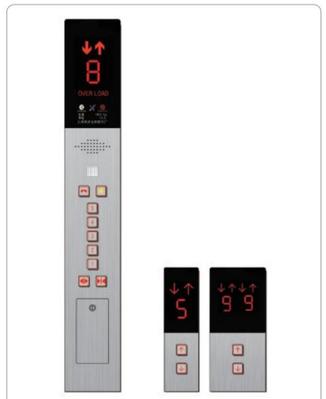
Cop & Lop



MZT-HEC202 MZT-HEX202 MZT-HEX202B



MZT-HEC310 MZT-HEX310 MZT-HEX310B



MZT-HEC320 MZT-HEX320 MZT-HEX320B



MZT-HEC321 MZT-HEX321 MZT-HEX321B



MZT-HEC322 MZT-HEX322 MZT-HEX322B



MZT-HBX800



MZT-HBX900 MZT-HBX950



MZT-HEX105 MZT-HEX106 MZT-HEX107



MZT-HBX108 MZT-HBX109

Push Button


Type: MZT-MTD150
Size(mm): Φ36X39X33


Type: MZT-MTD220
Size(mm): Φ33X23


Type: MZT-MTD160
Size(mm): 36X36X36


Type: MZT-MTD210
Size(mm): Φ39X29


Type: MZT-MTD161
Size(mm): 36X36X36


Type: MZT-MTD218
Size(mm): 84X44X31


Type: MZT-MTD180
Size(mm): 47X39X32


Type: MZT-MTD185
Size(mm): 33X23


Type: MZT-MTD181
Size(mm): 47X39X32


Type: MZT-MTD221
Size(mm): Φ33X23


Type: MZT-MTD228
Size(mm): Φ65X36X23


Type: MZT-MTD303
Size(mm): Φ36.2X22


Type: MZT-MTD229
Size(mm): Φ64X50X25


Type: MZT-MTD306
Size(mm): Φ44X18.5


Type: MZT-MTD260
Size(mm): Φ60X35X38.5


Type: MZT-MTD313
Size(mm): Φ44X18.5


Type: MZT-MTD270
Size(mm): Φ34.5X34.5X23.5


Type: MZT-MTD330
Size(mm): Φ45X21


Type: MZT-MTD271
Size(mm): Φ40X42X17


Type: MZT-MTD331
Size(mm): 48.5X45X21

Push Button


Type: MZT-MTD280
Size(mm): Φ40X40X38


Type: MZT-MTD401
Size(mm): 54X37X23


Type: MZT-MTD411
Size(mm): 49.5X32.5X27


Type: MZT-MTD184
Size(mm): 47X39X36


Type: MZT-MTD441
Size(mm): 38X38X30


Type: MZT-MTD511
Size(mm): 38X38X19


Type: MZT-MTD111
Size(mm): 37X32X25.5


Type: MZT-MTD126
Size(mm): 47X38X40

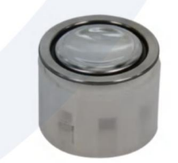

Type: MZT-MTD115
Size(mm): 70X35X22


Type: MZT-MTD143
Size(mm): 54X43X57


Type: MZT-MTD118
Size(mm): 59X38X30


Type: MZT-MTD170
Size(mm): 38.5X38.5X17


Type: MZT-MTD314
Size(mm): Φ40X19


Type: MZT-MTD213
Size(mm): 39X39X32


Type: MZT-MTD215
Size(mm): Φ39X29


Type: MZT-MTD275
Size(mm): 40X40X38


Type: MZT-MTD216
Size(mm): Φ39X29


Type: MZT-MTD206
Size(mm): 41X24


Type: MZT-MTD229B
Size(mm): 64X50X22.5


Type: MZT-MTD288
Size(mm): 40X40X16

Push Button


Type: MZT-MTD261
Size(mm): 60X35X38.5


Type: MZT-MTD361
Size(mm): Φ45X16


Type: MZT-MTD265
Size(mm): 42X32X18


Type: MZT-MTD330
Size(mm): Φ45X20


Type: MZT-MTD335
Size(mm): Φ40X21


Type: MZT-MTD172
Size(mm): Φ38.5X38.5X17


Type: MZT-MTD336
Size(mm): Φ40X21


Type: MZT-MTD515
Size(mm): Φ38X38X19


Type: MZT-MTD338
Size(mm): Φ40X21


Type: MZT-MTD371
Size(mm): Φ40X40X38


Type: MZT-MTD340
Size(mm): 44X34X23


Type: MZT-MTD129
Size(mm): 59.5X41.5X18


Type: MZT-MTD350
Size(mm): 47X39.5X23.5


Type: MZT-MTD482
Size(mm): 41X58X22


Type: MZT-MTD182
Size(mm): 41.5X35.5X29


Type: MZT-MTD225
Size(mm): Φ33X23


Type: MZT-MTD272
Size(mm): 40X35X17


Type: MZT-MTD226
Size(mm): Φ57X34X22


Type: MZT-MTD200
Size(mm): 36X36X36


Type: MZT-MTD142
Size(mm): 54X34X57


Type: MZT-MTD285
Size(mm): 40X40X38


Type: MZT-MTD370
Size(mm): Φ40X40X38


Type: MZT-MTD513
Size(mm): Φ39.5X17


Type: MZT-MTD442
Size(mm): 44X38X20

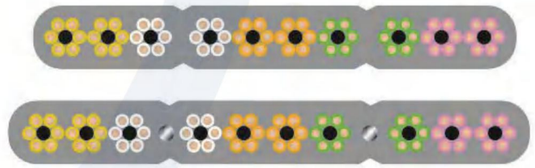
Elevator Cable

2271EC 71F(TVVB)Elevator Flat PVC Control Cable



Type	Conductor Section(mm^2)	Conductor Construction(mm^2)	Dverall diameter Dia(mm)	70℃ Insulated Resister (MΩ KM)	20℃ Conductor DC Resister (Ω/KM)
2271EC71f(TVVB)	3X2.5	49/0.25	15.5X6.2	≥0. 009	≤7. 98
2271EC71f(TVVB)	4X1.5	30/0.25	18.5X7.5	≥0. 010	≤13. 3
2271EC71f(TVVB)	4X0.75	24/0.25	12.6X4.5	≥0. 011	≤26. 0
2271EC71f(TVVB)	12X1.0	40/0.18	32X5.0	≥0. 010	≤19. 5
2271EC71f(TVVB)	16X1.0	40/0.18	47.7X5.2	≥0. 010	≤19. 5
2271EC71f(TVVB)	12X0.75	30/0.18	34.5X4.8	≥0. 011	≤26. 0
2271EC71f(TVVB)	18X0.75	30/0.18	51.5X5.0	≥0. 011	≤26. 0
2271EC71f(TVVB)	20X0.75	24/0.2	56.5X4.6	≥0. 011	≤26. 0
2271EC71f(TVVB)	24X0.75	30/0.18	61.5X5.2	≥0. 011	≤26. 0
2271EC71f(TVVB)(G)	6X0.75	30/0.18	24.5X5.0	≥0. 011	≤26. 0
2271EC71f(TVVB)(G)	12X0.75	30/0.18	44X5.0	≥0. 011	≤26. 0
2271EC71f(TVVB)(G)	18X1.0	40/0.18	58.1X5.0	≥0. 010	≤19. 5
2271EC71f(TVVB)(G)	24X0.75	30/0.18	70.6X5.0	≥0. 011	≤26. 0
2271EC71f(TVVB)(G)	24X0.75	30/0.18	73.6X5.5	≥0. 011	≤26. 0

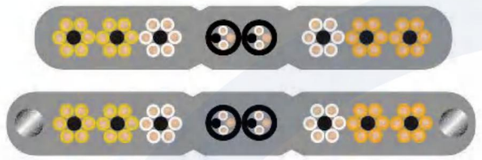
TVVB TVVBG Elevator Flat PVC Control Cable



Type	Conductor Section(mm^2)	Conductor Construction(mm^2)	Dverall diameter Dia(mm)	70℃ Insulated Resister (MΩ KM)	20℃ Conductor DC Resister (Ω/KM)
TVVB	20x0.75	30/0.18	29.9x9.0	≥0. 011	≤26. 0
TVVB	24x0.75	30/0.18	30.5x9.1	≥0. 011	≤26. 0
TVVBG	2x1.0+TV(SYV75-4)	7/0.24+50/0.16	15.8x7.6	≥0. 010	≤19. 5
TVVB	20x0.75+(2x2)x0.75	30/0.18	44.2x9.1	≥0. 011	≤26. 0
TVVB	36x0.75+(2x2)x0.75	30/0.18	62.0x10.0	≥0. 011	≤26. 0
TVVB	48x0.75+(2x2)x0.75	30/0.18	68.5x10.0	≥0. 011	≤26. 0
TVVBG	30x0.75	30/0.18	53x8.6	≥0. 011	≤26. 0
TVVBG	36x0.75	30/0.18	54.0x9.5	≥0. 011	≤26. 0
TVVBG	40x0.75	30/0.18	58x8.2	≥0. 011	≤26. 0
TVVBG	42x0.75	30/0.18	66.6x9.7	≥0. 011	≤26. 0
TVVBG	48x0.75	30/0.18	67.2x9.5	≥0. 011	≤26. 0
TVVBG	60x0.75	30/0.18	80.0x9.5	≥0. 011	≤26. 0
TVVB	30x0.75	30/0.18	44.2x9.1	≥0. 011	≤26. 0
TVVB	36x0.75	30/0.18	42.5x9.0	≥0. 011	≤26. 0
TVVB	40x0.75	30/0.18	5.25x9.0	≥0. 011	≤26. 0
TVVB	42x0.75	30/0.18	54.1x9.7	≥0. 011	≤26. 0
TVVB	48x0.75	30/0.18	58.0x9.6	≥0. 011	≤26. 0
TVVB	60x0.75	30/0.18	68.5x10.0	≥0. 011	≤26. 0

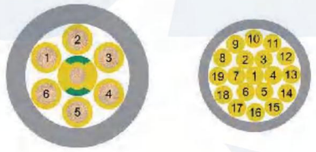
Elevator Cable

TVVBP TVVBPG Elevator Flat PVC Control Cable



Type	Conductor Section(mm^2)	Conductor Construction(mm^2)	Dverall diameter Dia(mm)	70℃ Insulated Resister (MΩ KM)	20℃ Conductor DC Resister (Ω/KM)
TVVBP	36x0.75+(2x2P)0.75	30/0.18	62.0x9.8	≥0. 011	≤26. 0
TVVBP	36x0.75+(2x2P)x0.75+TV(STV75-4)	30/0.18	61.5x9.0	≥0. 011	≤26. 0
TVVBP	42x0.75+(2x2P)x0.75	30/0.18	61.5x9.0	≥0. 011	≤26.0
TVVBP	48x0.75+(2x2P)x0.75	30/0.18	68.5x10.0	≥0. 011	≤26. 0
TVVBP	30x0.75+(2x2P)x0.75	30/0.18	52.5x9.0	≥0. 011	≤26. 0
TVVBP	20x0.75+(2x2P)x0.75	30/0.18	44.2x9.1	≥0. 011	≤26. 0
TVVBP	24x0.75+(2x2P)x0.75	30/0.18	42.5x9.0	≥0. 011	≤26. 0
TVVBP	48x0.75+(2x2P)x0.75	30/0.18	68.5x9.5	≥0. 011	≤26. 0
TVVBPG	36x0.75+(2x2P)x0.75	30/0.18	63.0x9.2	≥0. 011	≤26. 0
TVVBPG	36x0.75+(2x2P)x0.75+TV(STV75-4)	30/0.18	72.5x9.9	≥0. 011	≤26. 0
TVVBPG	42x0.75+(2x2P)x0.75	30/0.18	75.0x9.8	≥0. 011	≤26. 0
TVVBPG	48x0.75+(2x2P)x0.75	30/0.18	80.0x9.5	≥0. 011	≤26. 0
TVVBPG	20x0.75+(2x2P)x0.75	30/0.18	51.8x8.9	≥0. 011	≤26. 0
TVVBPG	24x0.75+(2x2P)x0.75	30/0.18	64.0x10.2	≥0. 011	≤26. 0
TVVBPG	30x0.75+(2x2P)x0.75	30/0.18	58.0x8.2	≥0. 011	≤26. 0
TVVBPG	40x0.75+(2x2P)x0.75	30/0.18	74.0x9.0	≥0. 011	≤26. 0

RVV RVVP Elevator Flat PVC Control Cable



Type	Conductor Section(mm^2)	Conductor Construction(mm^2)	Dverall diameter Dia(mm)	70℃ Insulated Resister (MΩ KM)	20℃ Conductor DC Resister (Ω/KM)
RVVV	2x0.75	30/0.18	5.6	≥0. 013	≤39. 0
RVVV	2x1.5	30/0.18	9.4	≥0. 009	≤12.1
RVVV	2x0.75+1x2.0	30/0.18	5.6	≥0. 013	≤19.5
RVVV	4x0.75	30/0.18	8.0	≥0. 011	≤26. 0
RVVV	4x1.5	30/0.18	9.5	≥0. 013	≤19.5
RVVV	2x0.75+1x2.0	30/0.18	8.2	≥0. 011	≤26. 0
RVV	6x0.75	30/0.18	8.8	≥0. 011	≤26. 0
RVV	7x0.75	30/0.18	8.2	≥0. 011	≤26. 0
RVV	8x0.75	30/0.18	9.3	≥0. 011	≤26. 0
RVV	9x0.75	30/0.18	11.5	≥0. 011	≤26. 0
RVV	12x0.75	30/0.18	11.5	≥0. 011	≤26. 0
RVV	15x0.75	30/0.18	12.4	≥0. 011	≤26. 0
RVV	16x0.75	30/0.18	12.8	≥0. 011	≤26. 0
RVV	19x0.75	30/0.18	13.2	≥0. 011	≤26. 0
RVV	20x0.75	30/0.18	14.5	≥0. 011	≤26. 0
RVV	25x0.75	30/0.18	17.8	≥0. 011	≤26. 0
RVV	30x0.75	30/0.18	16.8	≥0. 011	≤26. 0
RVV	6x0.75+1x2.0	30/0.18+37/0.16	9.5	≥0. 011/0.010	≤26. 0/10.2
RVV	7x0.75+1x20	30/0.18+37/0.16	9.6	≥0. 011/0.010	≤26. 0/10.2
RVV	11x0.75+1x20	30/0.18+37/0.16	12.5	≥0. 011/0.010	≤26. 0/10.2
RVV	12x0.75+1x20	30/0.18+37/0.16	11.8	≥0. 011/0.010	≤26. 0/10.2
RVV	18x0.75+1x20	30/0.18+37/0.16	14.5	≥0. 011/0.010	≤26. 0/10.2

Accessories



MZT-ACE-001
(Oil Can)



MZT-ACE-002
(Oil Can)



MZT-ACE-004
(Oil Can)



MZT-ACE-005
(Oil Can)



MZT-ACE-007
(Oil Collector)



MZT-ACE-008
(Oil Collector)



MZT-ACE-010
(Guide Shoe Busher)



MZT-ACE-012
(Cable Clamp)



MZT-ACE-13A
(Elevator Ingercom Phone)



MZT-ACE-13B
(Elevator Ingercom Phone)



MZT-ACE-018
(Door Slider)



MZT-ACE-020
(Fan FB-9B)



MZT-ACE-021
(Door Key)



MZT-ACE-022
(Door Lock)



MZT-ACE-023
(Door Key)



MZT-ACE-024
(Door Lock)

ACCESSORIES

Accessories



MZT-ACE-026
(Landing Door Switch)



MZT-ACE-029
(Landing Door Switch)



MZT-ACE-030
(Landing Door Switch)



MZT-ACE-032
(Limit Switch)



MZT-ACE-033A
(Limit Switch)



MZT-ACE-033B
(Limit Switch)



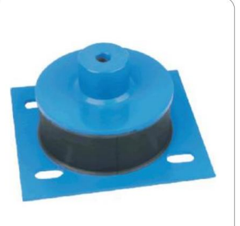
MZT-ACE-035A
(S3 Limit Switch)



MZT-ACE-035B
(S3 Limit Switch)



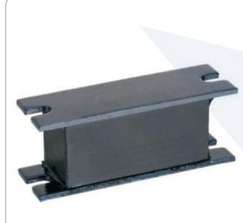
MZT-ACE-035C
(S3 Limit Switch)



MZT-ACE-036A
(Damping Pad)



MZT-ACE-036B
(Damping Pad)



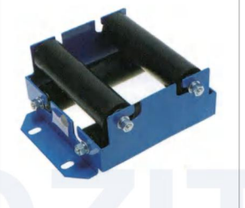
MZT-ACE-037
(Damping Pad)



MZT-ACE-038
(Overload Device)



MZT-ACE-039A
(Guiding Device)



MZT-ACE-039B
(Guiding Device)



MZT-ACE-039C
(Guiding Device)

ACCESSORIES

Accessories



MZT-ACE-040A
(Compensating Chain
Devise & Accessory)



MZT-ACE-040B
(Compensating Chain
Devise & Accessory)



MZT-ACE-040C
(Compensating Chain
Devise & Accessory)



MZT-ACE-047
(Wire Rope Clip)



MZT-ACE-048
(Leveling Switch)



MZT-ACE-049
(Biastable Magnet Switch)



MZT-ACE-050
(Polyurethane Buffer)



MZT-ACE-051
(Counterweight Block)



MZT-ACE-052
(Maintenance Box)



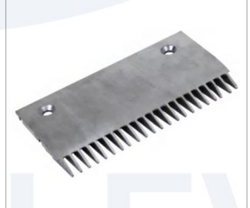
MZT-ACE-055
(Maintenance Box)



MZT-ACE-056
(Elevator Magnet)



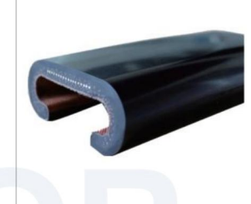
MZT-ACE-057
(Door Lock Contact)



MZT-ACE-058
(Comb Plate)



MZT-ACE-059
(Comb Plate)



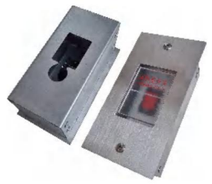
MZT-ACE-060
(Hand Rail)

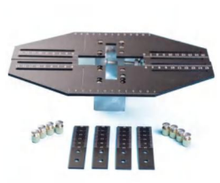


MZT-ACE-061
(Firemans Switch)

ACCESSORIES

Accessories


MZT-ACE-062
(Firemans Switch)


MZT-ACE-063
(Guide Rail Gauge-A)


MZT-ACE-064
(Guide Rail Gauge-B)


MZT-ACE-065A
(Emergency Button Box)


MZT-ACE-065B
(Emergency Button Box)


MZT-ACE-065C
(Emergency Button Box)


MZT-ACE-066
(Leveling Switch)


MZT-ACE-067
(Synchronous Door Motor)


MZT-ACE-068
(Asynchronous Door Motor)


MZT-ACE-069
(Limit Switch)


MZT-ACE-070
(Door Hanging Wheel)


MZT-ACE-071
(Escalator Gyration Chain)

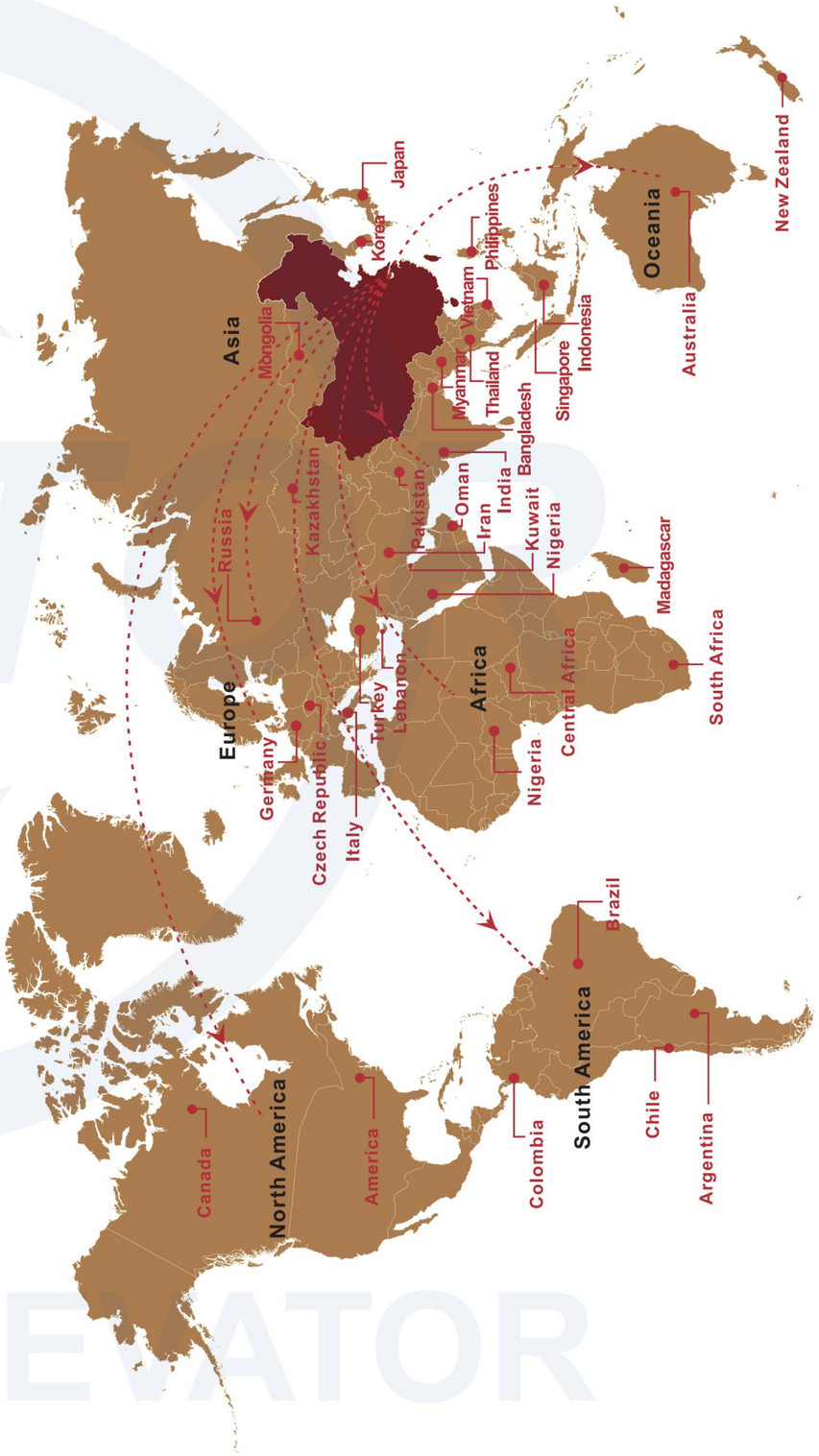

MZT-ACE-072
(Escalator Cascade Chain)


MZT-ACE-073
(Escalator Roller)


MZT-ACE-074
(Escalator Pulley)


MZT-ACE-077
(Electronic Arrival Gong)

SALES NETWORK



2019.08