GENALIFT

LIFT COMPONENTS

PRODUCT CATALOGUE / 2026

Control & electronics

Lift controls / Door drives / Sensors



13 PRODUCTS

4 APPLICATION GROUPS

Genalift is a Genadoor Group company.

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CATALOGUE

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LIFT CONTROL SYSTEMS

AVIREX Compact FX

PRODUCT CODE / AVIREX COMPACT FX

Lift control panel with serial or parallel communication, dual car door support and group control options.



SPECIFICATION	VALUE
Motor speed	2.00 m/s
Stops	16
Stops with serial fixtures	32
Group control (lifts)	8
Panel supply voltage	24VDC (20-28VDC)
Motor type	Synchronous / Asynchronous - specify when ordering
Encoder protocols	ENDAT / SINCOS / Incremental / BISS / REZA
Control mode	Open / Closed loop
Rescue	1-phase UPS / 12V battery
Encoder card	Built-in
Panel drawing	570 mm × 427 mm × 207 mm

Catalogue reference: EN81-20; EN81-1 A3 for modernization applications (catalogue reference). Document scope is confirmed for the selected configuration.

LIFT CONTROL SYSTEMS

AVIREX / Panel views



Open control panel



MRL panel

SYSTEM FEATURES

01 Contactorless system design

02 32-stop operation requires GENEMEK or BUTKON serial fixtures.

03 Dual car door support for double-entry lifts

04 Parallel communication board is included in the catalogue configuration.

05 Remote connection through mobile internet

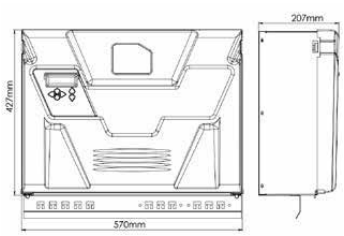
06 Sleep, parking floor, active/passive floor tasks and scheduling

07 Floor adjustment from car fixture

08 Built-in announcements with custom audio files

09 Automatic adjustment for rollback prevention

10 Custom dimensions, design and software; MRL panel option



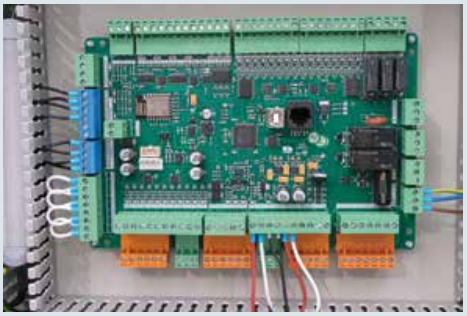
LIFT CONTROL SYSTEMS

Serial communication board

PRODUCT CODE / SERIAL BOARD

Serial communication board for the AVIREX system. Inputs, outputs and terminal codes appear in a dedicated technical table.

SPECIFICATION	VALUE
Dimensions, terminals fitted	157 mm × 216 mm × 30 mm
Dimensions, terminals removed	140 mm × 216 mm × 16 mm
Operating temperature	0 - 55°C
Weight	446 gr.
Normal operating voltage	24VDC (18 - 30VDC)
Power failure	12V 1.2Ah battery (external battery charging)
Standby power, 24V input	1,4W
Maximum power, 24V input	10,8W
Calls	16
Assignable terminal inputs	PI1 / PI2 / PI3
Assignable relay outputs	PR1 / PR2 / PR3



Product view

SYSTEM FEATURES

01 Gray, inverted Gray, binary and inverted binary indicator outputs

02 Common-anode 7-segment display output

03 Connections for car light, fan, emergency light, alarm, gong and buzzer

LIFT CONTROL SYSTEMS

Programmer & keypad

PRODUCT CODE / AVRXPK-1

Handheld terminal for parameter monitoring, menu settings and software updates on AVIREX drives.



Product view



Parameter screen



Menu setting screen

SPECIFICATION	VALUE
Connection	CAT5 cable
Software medium	SD card
Functions	Parameter monitoring / Menu settings / Software update

01 Main, parameter monitoring and menu setting screens

02 Support for loading company-specific MODBUS software

PROGRAMMER & KEYPAD

AVRXPK-1 / Operation

SOFTWARE UPDATE

01 Connect to the drive with a CAT5 cable.

02 Insert the SD card into the appropriate slot.

03 After powering the panel, continue with F1.

04 Select the board to update and press Enter.

05 Wait until the program update is complete.

06 Use F2 and F3 to move between menus.



USE AS A KEYPAD

01 Press Enter to open the parameter screen.

02 Use the arrow keys to review parameters.

03 Hold F3 to enter the DRIVER menu.

04 Place the panel in inspection mode to access settings on the displayed screen.

Confirm software and board-version compatibility before service.

LIFT CONTROL SYSTEMS

CANBUS fixture group

PRODUCT CODE / CANBUS FIXTURE

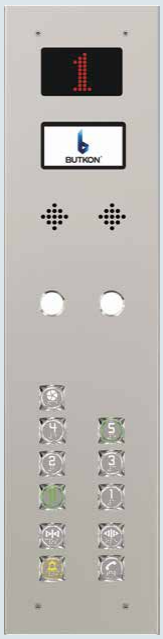
Car and landing fixtures with CANBUS communication, dot-matrix display and embedded intercom.



Product view



Car fixture



Landing fixture

SPECIFICATION	VALUE
Communication	CANBUS
Display	Dot-matrix
Audio	Built-in intercom / Dual speaker
Lighting	Emergency lighting

01 Impact-resistant construction

Catalogue reference: EN-81 20 (catalogue reference). Document scope is confirmed for the selected configuration.

LIFT CONTROL SYSTEMS

Lift drives

PRODUCT CODE / AVIREX DRIVE

AVIREX drive family for synchronous and asynchronous motors. The catalogue lists STO and contactor variants.

SPECIFICATION	VALUE
Catalogue power options	5,5 / 7,5 / 11 / 15 kW
Input	AC 3-phase, 340V-440V, 50/60 Hz
Output	AC 3-phase, 0V-400V, 0-300 Hz
Remote access	Wi-Fi module (2.4 GHz)
Interface	LCD display (2 lines, 16 characters)
Rescue input	220VAC single phase
Internal EMC filter	Not included



Product view



Drive detail

DRIVE OPTIONS

MOTOR / RATING	7.5 kW	11 kW	15 kW
Asynchronous	AVRXAS18A-1	AVRXAS26A-2	AVRXAS35A-3
Synchronous	AVRXSN18A-1	AVRXSN26A-2	AVRXSN35A-3
Nominal output current	18A	26A	35A
Maximum output current	27A	39A	52,5A
Braking resistor	50Ω 1500W	40Ω 2000W	33Ω 3000W

The catalogue also lists a 5.5 kW option; the detailed model columns above are for 7.5 / 11 / 15 kW.

DOOR MOTORS & CONTROLLERS

PMSM 220VAC door motor & controller

PRODUCT CODE / MPMSMMC220V-VVVF-1

PMSM motor and VVVF controller for automatic door applications.

SPECIFICATION	VALUE
Product Code	MPMSMMC220V-VVVF-1
Supply voltage	220VAC
frequency	50 - 60 Hz
Engine type	PMSM 200V AC
Connection Voltage	220VAC
Connection Current	4A
Consumption	200 W / 400 W
Protection class	Personnel safety protection
Heat range	+ 10°C to + 60°C



Product view

SYSTEM FEATURES

01 Door width auto-tuning

02 Soft opening and closing curves

03 Door obstruction detection

04 Automatic reopening through photocell input

05 Parameter adjustment through computer connection

06 Battery input

07 Pluggable terminals and onboard keypad

Catalogue reference: CE / UL (catalogue reference). Document scope is confirmed for the selected configuration.

DOOR MOTORS & CONTROLLERS

HRM 32V door motor & controller

PRODUCT CODE / MBLDCMC32V-1

32V BLDC door motor and controller. Supply and motor connection values are listed separately in the technical table.

SPECIFICATION	VALUE
Product Code	MBLDCMC32V-1
Supply voltage	220V
frequency	50 - 60 Hz
Engine type	BLDC 32V
Connection Voltage	32VDC
Connection Current	1,85A
Connection force	0,11 Nm
Engine speed	4000 rpm
Consumption	200 W / 400 W
Protection class	Personnel safety protection
Heat range	+ 10°C to + 60°C



Product view

SYSTEM FEATURES

01 Door width auto-tuning

02 Soft opening and closing curves

03 Door obstruction detection

04 Automatic reopening through photocell input

05 Parameter adjustment through computer connection

06 Battery input

07 Pluggable terminals and onboard keypad

Catalogue reference: CE / UL (catalogue reference). Document scope is confirmed for the selected configuration.

SENSORS

MR1 radar sensor

PRODUCT CODE / MR1

Radar motion sensor for automatic sliding doors. Detection area and mounting details are listed in the product table.

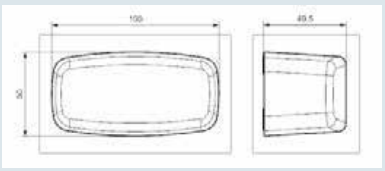
SPECIFICATION	VALUE
Product Code	MR1
Material	ABS
Weight	90 gr.
Dimensions	100 mm (W), 50 mm (H), 49.5 mm (D)
Connect on Type	Cable 4*022
Mounting Height	Max. 4000 mm
Color	Black
Technology	Radar
Sending Frequency	K-band 24.125 Ghz - Microwave
Area Size 2.2 m	Min. 0.6*6m / max. 2.3*4.8m
Operating Voltage	12 -36 VDC / 12-24 VAC
Current Used	Max. 32 mA at 24 VDC
Exit	Solid-state relays
Connection Voltage	Max. 24VAC / 24VDC
Connection Current	Max. 20 mA
Connection Power	Max. 550 mW
Operating Temperature	- 30°C to + 55°C
Air	90% relative humidity



Product view



Open housing & board



Housing dimensions



Detection angle adjustment

SENSORS

MHS01 touchless hand sensor

PRODUCT CODE / MHS01

Touchless door switch using infrared detection, for indoor applications where hygiene is important.

SPECIFICATION	VALUE
Product Code	MHS01
Material	ABS
Weight	60 gr.
Dimensions	70 mm (W), 50 mm (H), 20 mm (D),
Connect on Type	Cable 4*022
Color	White
Operating Voltage	12 - 36 VDC / 12 - 24 VAC
Min. Current Used	40 mA
Operating Temperature	- 30°C to + 55°C
Operating Distance	0 - 30 cm
Contact Type	NO / NC
Zone	1 receiver - 1 transmitter



Product view



Housing & electronic board

Distance reference: the specification table states 0-30 cm; the source description states 1-5 cm. Confirm the required sensing distance for the application.

AUTOMATIC DOOR SYSTEMS

EXPERT 48VAC controller

PRODUCT CODE / MITMC48V-VVVF-1

48VAC VVVF motor and controller for single- and double-leaf automatic doors.

SPECIFICATION	VALUE
Product code	MITMC48V-VVVF-1
Opening speed	100 - 150 cm/s
Closing speed	30 - 80 cm/s
Closing force	40 - 150 N
Acceleration	1.2 m/s²
Maximum power options	150W / 75W
Power supply	230 V - 50/60 Hz (115 V - 50/60 Hz)
Operating temperature	- 20°C to + 65°C
Fuse protection	2A



Product view



Motor view

SYSTEM FEATURES

01 Electronic board with 32-bit processor

02 Independent speed and force adjustment

03 Door configuration through digital position switch

04 Safe stop and one/two infrared sensor support

LEAF CONFIGURATION	MAXIMUM POWER
Double leaf	150W
Single leaf	150W
Double leaf	75W
Single leaf	75W

Catalogue reference: TS EN 16005 / DIN 18650 (catalogue reference). Document scope is confirmed for the selected configuration.

AUTOMATIC DOOR SYSTEMS

SUPRA BLDC controller

PRODUCT CODE / MBLDCMC24V-1

BLDC motor and microprocessor controller for automatic doors.

SPECIFICATION	VALUE
Product code	MBLDCMC24V-1
Opening speed	10 - 80 cm/s
Closing speed	10 - 50 cm/s
Motor type	DC brushless motor
Supply	230VAC
Consumption	180W
Frequency	50 - 60 Hz
Protection class	IP20
Closing force	150N



Product view



Motor



Installed mechanism

SYSTEM FEATURES

01 Closed, automatic and permanently open modes

02 Emergency stop and automatic reopening

03 Photocell connection: up to two pairs

04 Parameter storage through screen/buttons; error code reader

05 24V output for external use

Catalogue reference: ISO9001:2000 (catalogue reference). Document scope is confirmed for the selected configuration.

AUTOMATIC DOOR SYSTEMS

SKYLINE linear door system

PRODUCT CODE / MLNRMC-1

Linear motor and controller for architectural automatic doors, a separate application group from the lift door series.

SPECIFICATION	VALUE
Product code	MLNRMC-1
Supply voltage	220 - 230 VAC + %10
Frequency	50 - 60 Hz
Safety status	10A
Standby consumption	3.7 W
Automatic mode consumption	max. 60W
Protection class	IP20
Heat range	0 - 40°C
Low energy status	Included
Full energy status	Optional
Housing cross-section	50 × 55 mm



Application view

SYSTEM FEATURES

01 Magnetic attraction and repulsion for linear motion

02 Drive structure without belts and pulleys

The source field "Safety status" is retained as 10A. It is not described here as a fuse rating.

Catalogue reference: ISO 9001-2000 (catalogue reference). Document scope is confirmed for the selected configuration.

AUTOMATIC DOOR SYSTEMS

NONA 90° door system

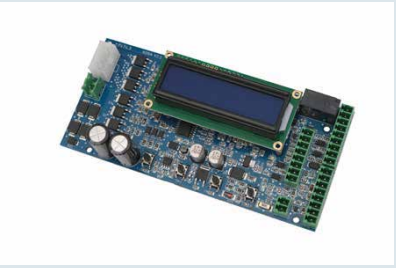
PRODUCT CODE / MBLDCMC-TGHT24V-1

Motor and control system for 90° swing doors.

SPECIFICATION	VALUE
Product Code	MBLDCMC-TGHT24V-1
Closing time	0.5 sec - 10 sec
Opening speed	150 - 450 mm / sec
Closing speed	100 - 430 mm/ sec
Engine type	24V 55W DC motor
Feed	220 - 250 VAC ,
Consumption	1A
Power frequency	50 - 60 Hz
Rated power	65 - 90 W
Fuse protection	2.5 A
Temperature range	- 30°C to + 50°C
Humidity range	Relative humidity below 85%



Product view



Control board

TECHNICAL REFERENCE

Serial board / Inputs

FUNCTION	TERMINAL / VALUE	DETAIL
Indicator output	Gray / inverted Gray / binary / inverted binary	24VDC; 22mA output
Indicator output	7-segment, common anode	30mA segment current; short-circuit protected
Indicator output	31, 32, 02; normal / inverted	30mA; short-circuit protected
Assignable inputs	PI1 / PI2 / PI3	3 inputs
Inspection movement buttons	500 / 501	24VDC input group
QUADSENSE input	LS	24VDC input group
Lower / upper forced-limit magnetic switches	817 / 818	24VDC input group
Door open / close button	K20 / DTS	24VDC input group
Fan input	FAN	24VDC input group
Photocell sensor input	FSL	24VDC input group
Door open / close limits	K16 / K19	24VDC input group
Overload / full-load inputs	804 / 805	24VDC input group

Source input reference: 6,2mA per input at 24VDC.

TECHNICAL REFERENCE

Serial board / Outputs

FUNCTION	TERMINAL / VALUE	DETAIL
Assignable relay outputs	PR1 / PR2 / PR3	3 outputs; switching voltage 3A 250VAC / 3A 30VDC
Calls	16	Inputs active with (-); LED outputs short-circuit protected
Car lamp	220VAC	Fuse protected (3A)
Car fan	220VAC	Fuse protected (3A)
Emergency lighting	12V	Max. 200mA
Alarm button	0VDC	Active through (1000)
Gong output	8R / 0.5W speaker	Source output rating
Buzzer output	8R / 0.5W speaker	Source output rating
Magnetic-switch supply output	MLO (max. 200mA)	Continuous output with battery support during a power failure
Load-cell connection	AV-AR (0-10V)	AI-AR (4-20mA)

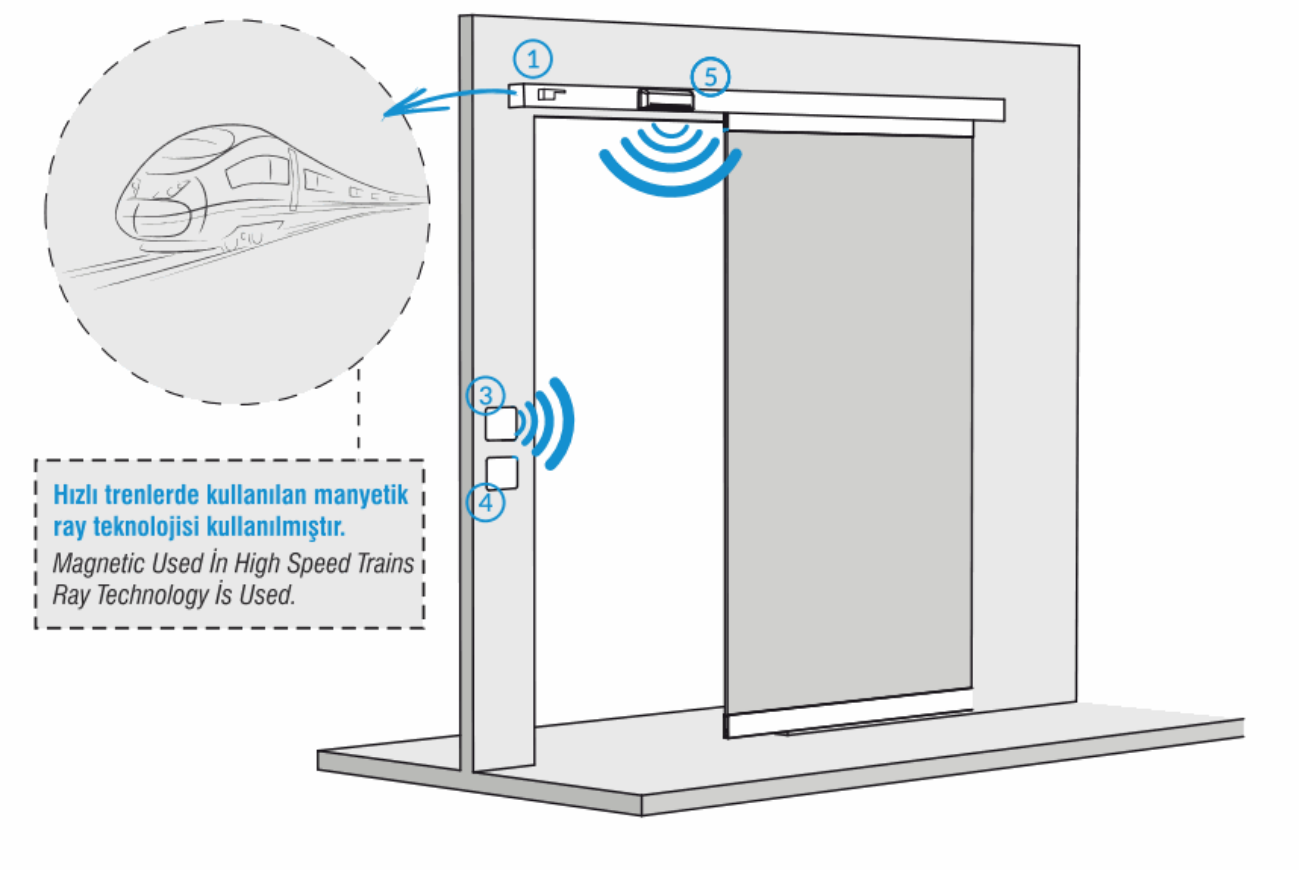
TECHNICAL REFERENCE

AVIREX / Panel equipment

FUNCTION	EQUIPMENT / CONNECTION
Supply voltage	24VDC (20-28VDC)
Encoder: ENCI (asynchronous)	HTL or TTL; 500-4096 incremental pulses
Encoder: ENCA (synchronous)	ENDAT / SINCOS / BISS / REZA encoder protocols
Serial communication: landing fixture	Connects to the CANBUS socket board
Serial communication: car fixture	Connects to the SERIAL_BOARD board
Serial communication: car door	COMFORT CANBUS door card
Relay outputs (RA, RC)	1 relay output
DRIVER signal inputs	24VDC, 3mA; 6 inputs, 1 output (assignable terminals)
MAIN_BOARD signal inputs	24VDC, 3mA; 4 inputs, 1 output (assignable terminals)
SERIAL_BOARD signal inputs	24VDC, 3mA; 3 inputs, 3 outputs (assignable terminals); floor-level magnetic switches (ML1, ML2)
Motor PTC	MAIN_BOARD T1 and T2. If only the motor PTC is connected, bridge T3 and T4.
Machine-room PTC	MAIN_BOARD T3 and T4 inputs
Braking-resistor PTC	MAIN_BOARD T3 and T4 inputs
Door bridging	Door-bridging circuit is on the board
Cooling	X2 fans, aluminium heatsink, ventilation at the top and bottom of the enclosure
Contactor	42 VAC
Safety circuit	42 VAC
Software update	Using the AVIREX KEYPAD product

TECHNICAL REFERENCE

SKYLINE / Application



NO.	APPLICATION
1	Automatic lock
2	Remote control
3	Touchless hand activation
4	Push button
5	Radar detection

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PRODUCT INFORMATION