△Safety circuit flow on base

From X12 (1) → X1.1 (1)

- Belt failure switch1 — BFSW1 — ESC1
- Belt failure switch2 — BFSW2 — ESC2
- Upper emergency limit switch — UESW1 — ESC3
- DOOR CONTACT — DK2 — ESC4-ESC6
- Motor mode contact
- To platform — ESC7
- From platform — ESC11

VADA PÁSU 1
VADA PÁSU 2
PŘEJETÍ NAHORU
DVEŘNÍ SPÍNAČ
MOTOR VE STAND-STAVU

K NOUZOVÉMU SJEZDU

To Emergency lowering: BRK_CTRL1, BRK_CTRL2
To RL1: BRK_CTRL1, BRK_CTRL2
ESC_CTRL1, ESC_CTRL2 To K1A

K BRZDĚ

A1 RB150PLCv1

X4 OUT17.2, OUT17.1 | X3 OUT16.2, OUT16.2 | X2 OUT15.2, OUT15.1

HLÁŠENÍ STAVU OD PŘ. MĚNIČE

WRB19 — OD FREKV. MĚNIČE

To X2.1 (9) INV_BRK 8
To X1.1 (9) INV_ALRM 7
From L11 INV_+24V 1

X13: GND 2, PWR 1 — GNDBI, +24V VPWR

X8: +24V 4, PWO0 3, PWO1 2, +24V 1 — +24V LOCK, LOCK_PWM, +24V DOOR 1,2

AOUT2 2, AOUT1 1

X5: AOUT 10, GND 9, OUT1 8, OUT2 7, OUT3 6, OUT4 5, OUT5 4, OUT6 3, OUT7 2, GND 1
INV_AIN 9, INV_FW 3, INV_REW 4, INV_STOP 5, INV_RESET 6, PBUZ2, INV_GND 2

X7: OUT8.1 10, OUT8.2 9, OUT9.1 8, OUT9.2 7, OUT10 6, OUT11 5, OUT12 4, OUT13 3, OUT14 2, +24V 1
To A2 INV_+24V
REQ2_LAMP 3
F23 50mA PTC
BP1, BP1, BP1 — +24V BP1, +24V BP3
L11 — +24V BP2
L12 — RQ1_L1 3
To X2.1 (7) REQ1_BTN L13 — REQB1 2
To X2.1 (8) REQ2_BTN 2

WRB2 — OD ZÁMKU

A3 DOOR LOCK ASSEMBLY

DL1: +24V P_LOCK, P_LOCK_PWM, T1, T2, Solenoid, C, NO, NC
+24VSENS5 1, LOCKSW 2
GND, 3,4 GND B DOOR — GND

ZÁMEK DVEŘÍ SE SPÍNAČI

A4 DOOR CONTACT MK11-1A66C-500W

DK1: ESC32 3, ESC41 4
DVEŘNÍ KONTAKT

WRB3 — OD EL. OT. DV.

Sounder 24V 0,1A(max) — KLAKSON — BZ2
PBUZ21 1, +24V BP31 2

KONCOVÝ SPÍNAČ HORNÍ

LANDING 2
REQ2_BTN, +24V BP1, REQ2_LAMP — COM, NO, NC, R31 2k2+, BT3
REQUEST 2 To landing 2

KONCOVÝ SPÍNAČ DOLNÍ

LANDING 1
REQB1, +24V BP2, RQ1_L1 — COM, NO, NC, R11 2k2+, BT1
REQUEST 1 To landing 1

L11, L12, L13 REQUEST 1 cable Connection

WRB4, WRB6

ELEKTRICKÉ OTEVÍRÁNÍ DVEŘÍ

A5 DOOR OPENNER ASSEMBLY (Optional)

MOTOR, DS4RBPL_ADPT, DMC02
CANH, CANL, GND — BR, WT, GND
GND B DOOR 3,4; +24V DOOR 1,2

WRB20 — OD EL. OT. DV. (Optional)

(Optional) NAPÁJENÍ OTVÍRAČE — WRB5

X1.2: 10× GND
X1.1: ESC1, ESC2, ESC3, ESC4, ESC5, ESC6, ESC7, INV_ALRM, ESC11 — AIN1–AIN10 — WRB7
To A2
X2.1: ULS, LLS, LAND1, LAND2, LOCKSW, REQ1_BTN, REQ2_BTN, INV_BRK — AIN11–AIN19
To A2
MOT_TEMP — AIN20
GND_1

X18: +24V, ENC A, GND, +24V, ENC B, GND
X12: +24V SENS — ESC+, ESC END

BS1–BS4 +24V BS1–+24V BS4
LAND2 To X2.1 (4)
LAND1 To X2.1 (3)
LLS To X2.1 (2)
ULS To X2.1 (1)
2 GND
1 MOT_TEMP

WRB7 – HOR. KONC. SP.
WRB8 – DOL. KONC. SP.
WRB9 – DOLŮ
WRB10 – NAHORU

TX, RX, GND | GND, 1WIRE, GND, +5V | GND, CANL, CANH | RS485B, RS485A, +24V

LOCKSW 2
+24VSENS5 1
ESC11

ESC11 E1 — ESC1 To X1.1 (2)
ESC12 E1
ESC21 E2 — ESC2 To X1.1 (3)
ESC22 E2 — ESC23 To Em.Low.
E3 — ESC3 To X1.1 (4)
3 E3
4 E4 — ESC4 To X1.1 (5)
3 ESC42 E4
4 ESC51 E7 — ESC7 To X1.1 (8)
E7 — ESC7B 5
E11 — ESC11 To X1.1 (10)
ESC11B 6

WRB1 – PÁS
WRB12 – PÁS
WRB13 – EXTRA
WRB14 – TEPL. POJ. MOTORU

GND B 4, GND B 3, GND — GNDBI To X13 (2)
+24V VB 2, +24V VB 1, +24V VPWR — +24V VPWR To X13 (1)
+24V VGL, GND GL

WRBP2 To platform
WRBP1 To platform
WRBP3 To platform
(Optional)

KOMUNIKACE K DESCE

NAPÁJENÍ + DEZ. OBVODY NAHLAVNÍ ČÁSTI JSOU OK.

(Optional)

SafeLine GL1 A101 ((Optional))

FREKVENČNÍ MĚNIČ

A2 MX2-AB007 MX2 Series Omron inverter

INV_RESET 6, INV_STOP 5, INV_REW 4, INV_FW 3, INV_GND 2, INV_BRK 8
INV_+24V 1, INV_AIN 9, INV_GND, INV_ALRM 7

Belt failure switch1 — BFSW1 — ESC11 — POŠKOZENÝ PÁS
Belt failure switch2 — BFSW2 — ESC12 — ESC21 — ESC22
Upper emergency limit switch — UESW1 — ESC31 — ESC32 — HORNÍ EXTRA PŘEJETÍ
Upper limit switch — ULSW1 — ULS — +24V BS4 — HORNÍ KONCOVÝ SPÍNAČ
Lower limit switch — LLSW1 — LLS — +24V BS3 — DOLNÍ KONCOVÝ SPÍNAČ
LAND 1 — L1_SW1 — LAND1 — +24V BS2 — DOLŮ
LAND 2 — L2_SW1 — LAND2 — +24V BS1 — NAHORU

BRZDY
BRK_CTRL1, BRK_CTRL2 From A1 X3
ESC_CTRL1, ESC_CTRL2 From A1 X2
BRZDIČ
RL1B, RL1C, RL1A 24VDC Coil
WRB15
TEPLOTNÍ SNÍMAČ, Termo sensor, MOT_TEMP, RT1
M1 MOTOR M1 3x230V, Delta — MOTOR — Motor Unit — PE
ESC42 M1, ESC51 M2, B11 B12, B21 B22
U/T1, V/T2, W/T3, PE
ODPOR Braking resistor — R1 70R
K1A DIL7-10
WRB16
NAPÁJENÍ MOTORU
RB, PD/+1, P/+, N/-, L1, N, U/T1, V/T2, W/T3, PE, PE
PHASE L1
NEUTRAL
GND

+24VT

ZDROJ

CB1 PFL6-16/2/003
Lin, Nin, PEin — PHASE L1, NEUTRAL
MLAVNÍ VYPÍNAČ

PS1 AD-155B
AC/L, AC/N, FG, NC, BAT. +, BAT. -/COM, DC OUTPUT COM, DC OUTPUT +V
RESET SW1, RESET SW2
BAT+, BAT-
F21 Fuse
GNDT 7, +24VT 8
12 V, 12 V
BAT2 Accumulator BAT1 Accumulator

C16
L, N, PE — Lin, Nin, PEin
Power feeder distribution box
Main supply cable AC 230V, N, PE
prepared before installation
WPIN
Earth

ZÁKLADNÍ DESKA — A1 Base Control Unit
FR. MĚNIČ — A2 Frequency invertor
HORNÍ STANICE ZÁM. — A3 Landing 2 Door lock assembly
DVEŘNÍ KONTAKT — A4 Landing 2 door contact
HORNÍ OTVÍRAČ — A5 Landing 2 door opener (Optional)
TELEFON — PJ1 Phone line jack
VYPÍNAČ HL. — CB1 Main circuit breaker
NAPÁJENÍ — PS1 24V power supply with Battery Charger
A101 GSM line module (Optional) — GSM
F21 BackUp Fuse — POJISTKA

Title	**Base Unit**	
Size A3	Number **R173902**	Revision 2017.10.05
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