Data sheet

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24 V VIRTUAL ENCODER
SAFE

EASY TO INSTALL

SETTING
VERSATILE

Automation for swing gates with articulated arm **with wing up to 2.3 m**

Ditec **FACIL**

EN

Dítec

TECHNICAL SPECIFICATIONS

DESCRIPTION	FACIL 3EH	FACIL 3H
Electromechanical actuator	irreversible for up to 2.3 m wide wing	irreversible for up to 2.3 m wide wing
Stroke control	rotary limit switch (optional)	rotary limit switch (optional)
Maximum capacity	200 kg x 2.3 m 300 kg x 1 m	200 kg x 2.3 m 300 kg x 1 m
Service index	3 - frequent	3 - frequent
Intermittent operation	S2 = 30 min - S3 = 50%	S2 = 30 min - S3 = 50%
Power input	24 Vdc	24 Vdc
Power absorption	6 A	6 A
Torque	200 Nm	200 Nm
Opening time	10÷55 s/90°	10÷55 s/90°
Actuator maximum opening	110°	110°
Release system for manual opening	key-operated	key-operated
Operating temperature	-20°C ÷ +55°C (-35°C ÷ +55°C with NIO enabled)	-20°C ÷ +55°C (-35°C ÷ +55°C with NIO enabled)
Protection level	IP 54	IP 54
Product dimensions (mm)	188x285x332	188x285x332
Control panel	LCU30H (electronic board built-in)	LCU30H - LCU30HJ* / LCU40H - LCU40HJ*
		*J version 120 Vac power supply

MAIN FUNCTIONS OF THE SYSTEM

	FACIL 3H, FACIL 3EH	FACIL 3H
Control panel	Electronic board LCU30H built-in FACIL3EH or LCU30H for 1 or 2 24 Vdc motors with built-in radio	LCU40H for 1 or 2 24 Vdc motors with built-in radio
Radio frequency	433.92 MHz standard / 868.35 MHz with ZENPRS or with BIXPR2	
433MHz/868MHz interchangeable receiver module	■	■
Mains power supply	230 Vac or 120 Vac - 50/60 Hz	230 Vac or 120 Vac - 50/60 Hz
Motor power supply	24 Vdc - 2 x 6 A	24 Vdc - 2 x 12 A
Accessories power supply	24 Vdc - 0.3 A (0.5 A max.)	24 Vdc - 0.5 A
Stroke control	virtual encoder	virtual encoder
Limit switch provision	■	■
Energy saving		<1 W on standby
Opening control	shared with step-by-step control, selected via display	■
Partial opening control	■	■
Close control	shared with emergency stop, which can be selected from the display	■
Stop control	■ via radio or shared with partial opening control, which can be selected from the display	■
Step-by-step control	■	■
Hold-to-run control	■ selected via display	■
Automatic closing contact management	shared with partial opening control, selected via display	■
Flashing light	24 Vdc	24 Vdc
Electrically operated lock	12 Vdc / 15 W	12 Vdc / 15 W
Gate-open warning light (ON/OFF)	■ shared with electrically operated lock or flashing light	■
Gate-open warning light with proportional blink rate	■ shared with electrically operated lock or flashing light	■
Courtesy light	■ shared with electrically operated lock or flashing light	■ shared with electrically operated lock or flashing light
Configuration of programmable functions	display and navigation keys	display and navigation keys
Force adjustment	electronic	electronic
Speed	adjustable	adjustable
Soft Start/Soft Stop	adjustable	adjustable
Braking/Slowing down	adjustable	adjustable
Stop approach	adjustable	adjustable
Operation time	adjustable	adjustable
Automatic re-closing time	adjustable	adjustable
Integrated datalogging (counters and recent alarm history)	■ can be viewed on display	■ can be viewed on display and on a PC with Amigo SW
Extended datalogging with micro SD (in-depth records for every event)		■ can be viewed on a PC Amigo SW
FW update	■ using Amigo SW and USBPROG	■ using MicroSD or using Amigo SW and USBPROG
Emergency stop	■	■
Safe closing (inversion)	■	■
Safety Test Facility (for automatic safety devices)	■	■
ODS	■	■
NIO - Antifreeze system	■	■
Battery continuity operation	■ with SBU	■ with SBU
Stand-alone solar-powered installation		■ with SBU*
Hybrid solar-powered installation		■ with SBU
8.2 KΩ-resistance safety edge	■ with accessory GOPAV o SOF	■ with accessory GOPAV o SOF
Magnetic loop detector	■ with LAB9	■ with LAB9

* With SBU it is possible to use photovoltaic panels up to max 20 W to recharge the batteries.
The battery recharging time and the number of possible operations depend on the irradiation conditions

ICIM UNI EN ISO 9001:2015 SISTEMA DI GESTIONE CERTIFICATO
Cert. n. 0957/6

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