



FORCE 825K/I

24Vdc electromechanical bollard, powder coating steel or electropolished stainless steel AISI316 finish



MADE IN ITALY



9343156 **FORCE 825K**

Ø254 mm • H800 mm • → ← 10/11,2 mm



PROTECTION

9343158 **FORCE 825KI**

24Vdcelectromechanical bollard with powder coating or AISI 316 electropolished stainless steel finish.

FORCE 825K/I has been subjected to crash test according to the specifications of IWA14-1: 2013 standard. The test was performed by MIRA Limited Warwickshire, CV100TU United Kingdom.

FORCE 825K/I successfully passed the test conducted with a vehicle with a mass of 2500kg launched at a speed of 65Km/h, with an impact energy of 411 KJ.

FORCE 825K/I was assessed as having Product Classification C-Foundation / Active/ Rising /Bollard and achieved a Performance Rating of IWA14-1:2013 Rising Bollard V/2500[N1G]/64/90:5.0.

FORCE 825K/I

POWER SUPPLY	230 Vac 50/60 Hz
MOTOR SUPPLY	24 Vdc
ABSORBED POWER	90 W
ABSORBED CURRENT 24Vdc	8 A
STANBY CONSUMPTION	11 W
CONSUMPTION DURING RISING	1,4 A
MAXIMUM WORKING FREQUENCY*	600 cycles/day
PROTECTION LEVEL	IP 68
OPERATING TEMPERATURE	-20 °C / +50 °C
LUBRICATION	Grease
IMPACT RESISTANCE	---
BREKOUT RESISTANCE	411.000 J
KG VEHICLE-KM/HOUR	2.500-65
RAISING TIME 120mm/sec	10"
LOWERING TIME 160mm/sec	9"
ELECTRIC BRAKE	5N
WEIGHT (without foundation case)	195/207 kg

FEATURES

- High number of cycles and low power consumption.
- Ability to operate even in the event of a power failure thanks to the central group with UPS
- Fast and easy to install thanks to the foundation box easily assembled without welding
- Equipped with RS485 communication bus and Ethernet connection via TCP / IP
- Integrated encoder and amperometric obstacle detection
- Equipped with anti-vandal function, which allows to detect a forced command, to rearm the bollard and activate an alarm



PLUG&PLAY
Connection between bollard and control panel



EN124 (40T) Top
equipped with LED lights

(*) The maximum frequency of use indicated in the above table must be understood as indicative data, referred to a single bollard connected to a control panel, at standard temperature rating (20°C,50% humidity). In the case of unfavorable conditions the frequency of use has to be reduced.

TECHNICAL DRAWING

RES
[9679001]



Heating resistance for cold areas (accessory supplied pre-assembled).

BUZZ
[9534040]



Warning buzzer (accessory supplied pre-assembled).

KTOOLS
[9089010]



Set of installation tools.

CA825K
[9150009]



Foundation box with rebar structure for FORCE825K/I.

TOP25
[9261010]



Cover for foundation box CA825K.

C05/10/15/20/25
[9171005 /006 /007 /008/009]



Cable with connector L= 5/10/15/20/25 m.



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FORCE 825K/I

Control panels and components for a basic installation*



**MADE
IN ITALY**

CP1S **9176148** CP2S **9176149**
 CP1SK **9176155** CP2SK **9176156**

FEATURES

- Power supply: 230/250 Vac - 50/60 Hz - transformer with selectable voltage
- Equipped with command ALL UP / ALL DOWN
- 8 control inputs / 4 control inputs for loop detectors / 2 static outputs 24 V
- 8-Dip switch programmable for different configurations
- Diagnostic LED
- Connection to Ethernet network via TCP / IP LAN
- Communication between the central bollard and central CP by means of the RS485 communication bus
- CP1SK, CP2SK versions with batteries for automatic operation during power failure
- Embedded electronics for the management of two traffic lights (no need CP.TL control board for traffic lights)
- 6 different configurations for loop detectors
- Prepared for any kind of command



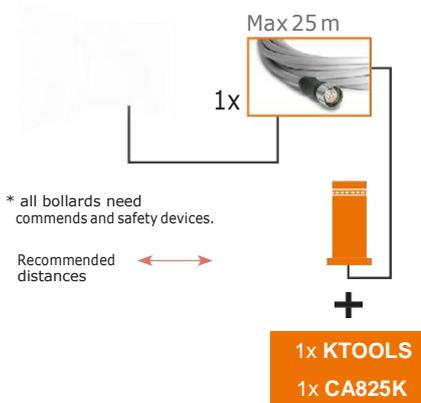
1 FORCE 825K/I



2 FORCE 825K/I

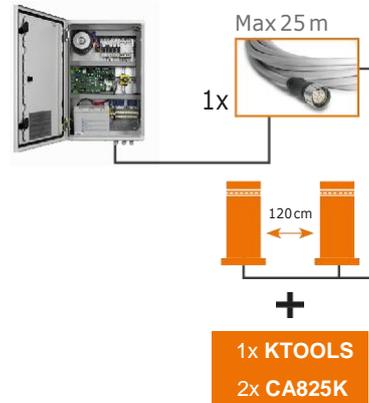
1 FORCE825K/I

CP1S | CP1SK



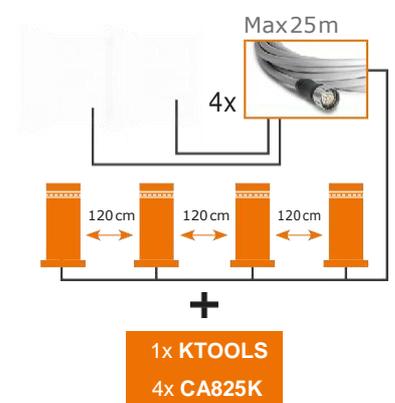
2 FORCE825K/I

CP2S | CP2SK

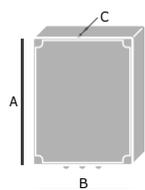


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CP2S | CP2SK



ESQUEMA TÉCNICO



	A (cm)	B (cm)	C (cm)	IP GRADE
CP1S	30	40	15	IP 66
CP2S	50	40	20	IP 66
CP1SK	40	40	20	IP 66
CP2SK	60	40	20	IP 66

