

# PRODUCT TECHNICAL DATASHEET

## BI/004

Brushless  
Digital Encoder

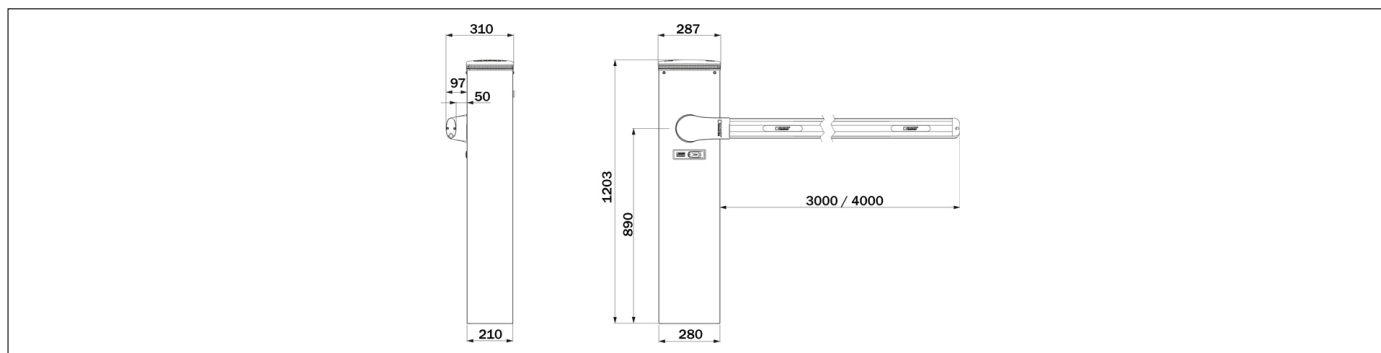


| CODE   | DESCRIPTION                                                                                                                                                                                           | PCS/PALLET |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| BI/004 | Barrier BRUSHLESS 36V DC for 3 or 4 m booms, with control unit and absolute encoder, irreversible, complete with xing plate with tie rods, boom fixing angles and flashing white LED light on header. | 8          |

| PRODUCT TECHNICAL SPECIFICATIONS |                                                                                                                                             |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Barriers                         | Up to 4 mt long                                                                                                                             |
| Power line supply                | 230V AC - 50 Hz                                                                                                                             |
| Motor power supply               | 36V DC                                                                                                                                      |
| Power rating                     | 220W                                                                                                                                        |
| Frequency of use                 | Continue                                                                                                                                    |
| Torque                           | 0 - 200 N m                                                                                                                                 |
| Operating temperature            | - 20 + 55 C°                                                                                                                                |
| Protection level                 | IP54                                                                                                                                        |
| Reductor Type                    | Irreversible                                                                                                                                |
| Opening time                     | 2÷6 sec (up to 3 m) - 3÷6 sec (up to 4 m)                                                                                                   |
| Onboard control unit             | CTRL                                                                                                                                        |
| Encoder                          | Digital native encoder + magnetic digital SENSORED, 4096 PPR                                                                                |
| Accessories power supply         | 24V DC                                                                                                                                      |
| Colour                           | Cabinet: painted RAL9006 arabesque grey - Head: black arabesque silver painted - Boom support: plastic RAL9005 - Boom: painted RAL9010 matt |
| Release system                   | STANDARD Key cylinder - Optional European Cylinder (Cod. RL670)                                                                             |
| Batteries recovery               | Available (optional)                                                                                                                        |
| BUS synchronization Master/Slave | Yes                                                                                                                                         |

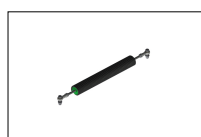
|                                                               |                  |
|---------------------------------------------------------------|------------------|
| Operating cycles per day (opening/closing - 24 hours no stop) | 5000             |
| Maximum dimension product in mm (L x W x H)                   | 280 x 210 x 1203 |
| Product weight packed (Kg)                                    | 46,2             |
| Number items per pallet/box                                   | 8                |

# PRODUCT DIMENSIONS AND PREPARING FOR INSTALLATION



DIMENSIONS

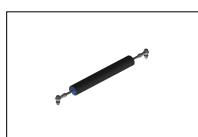
## PRODUCT ACCESSORIES



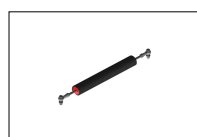
**SP/48/01**  
Spring diameter 48 mm for barriers.



**SP/48/G14**  
Spring diameter 48 mm only for BI/004 with boom less than 2.2 m.



**SP/61/01**  
Spring diameter 61 mm for barriers.



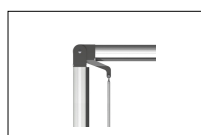
**SP/72/01**  
Spring diameter 72 mm for barriers.



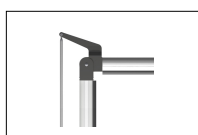
**BA/68/3**  
White painted aluminum boom, 3 meters long, with LED cover profile and impact resisting rubber profile.



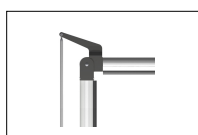
**BA/68/4**  
White painted aluminum boom, 4 meters long, with LED cover profile and impact resisting rubber profile.



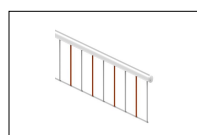
**SND/BA/68/DW**  
Articulated joint 90° with lower tie rod for boom BA/68.



**SND/BA/68/UP**  
Articulated joint 90° with upper tie rod for boom BA/68.



**SND/BA/68/UP/RD**  
Articulated joint 90° with upper tie rod (lowered version) for boom BA/68.



**BARK/02**  
Painted aluminum skirting, with stainless steel screws mounted on bronze bushings. Single module length 2 meters.



**ACS/BA/60**  
Break-away system for barrier, compatible only with BA/60/3 boom arm.



**ACS/BA/68**  
Break-away system for barrier, compatible with BA/68/3 and BA/68/4 boom arm.



**KT247**  
Support for rectangular boom for BI/004 up to 4 m and max. 3.6 kg.



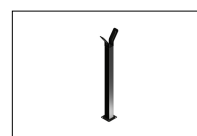
**ALED/4C**  
4-metre LED strip with connection cable for barrier boom (red colour).



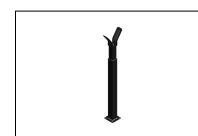
**ALED/4C/RGB**  
4-metre multicoloured RGB LED (red, green + other colours) strip with connection cable for barrier boom.



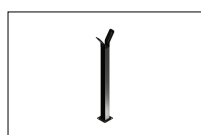
**BI/BLED/4/RGB**  
Multicoloured RGB LED strip (red, green + other colours) with connection cable for BI/004 barrier header.



**BAFS/01**  
Fixed support with rubber, not adjustable, for booms.



**BAFS/02**  
Fixed support with rubber, adjustable telescoping, for booms.



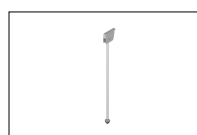
**BAFS/03**  
Fixed support with rubber, not adjustable, with predisposition for bolt, for booms.



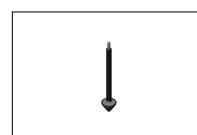
**BAFS/04**  
Fixed support with rubber, adjustable telescoping, with predisposition for bolt, for booms.



**BAFS/05**  
Adjustable fixed support with vandal-proof magnetic suction cup, complete with B72/DGS demagnetizer card, for booms.



**BAMS/01**  
Mobile support for booms.



**BAMS/01/EXT**  
Extension 20 cm for mobile support BAMS/01.



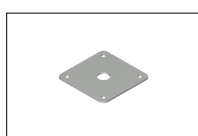
**BI/BAT/KIT**  
Kit for emergency batteries charger for Brushless digital controller CTRL 36V DC with plug-in card, with 2 recovery batteries 12V DC, 4.5 Ah. Kit for BIONIK barrier.



**BI/BCHP**  
Plug-in card, batteries charger, for Brushless digital controller CTRL 36V DC, without recovery batteries, for BIONIK barrier.



**BT12V45**  
Battery 12V 4.5 Ah (1 pc.).



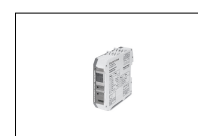
**KT231**  
Fixing plate for fixed supports codes BAFS/01, BAFS/02, BAFS/03, BAFS/04, BAFS/05.



**B73/EXP**  
Signal status board, 2 output for CTRL - CTRL/P.



**B73/LTM**  
RGB boom light and traffic light control device for CTRL.



**DLD1/24**  
Loop detector for 1 loop, 2 output, 24V AC/DC.



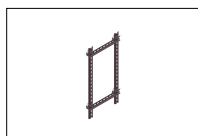
**DLD2/24**

Loop detector for 2 loops, 2 outputs +  
output alarm, 24V AC/DC.



**RL670**

European cylinder key (DIN) for  
release system series SMARTY-  
BIONIK.



**KT239**

Kit DIN rail with magnetic supports.



**KT242**

Kit for cable passage with magnetic  
support for barriers.



**R99/BASB20**

Pack of 20 reflective adhesive stickers  
for boom barrier.



**R99/BASB40**

Pack of 40 stickers for barrier.