

Ultimate jig, model identification

5, 8, 10 bit system!!

How can you identify a jig, and a die?
B&Plus simple ID system can

easily! certainly! at low-cost!

identify **5, 8, 10-bit**

Case 1

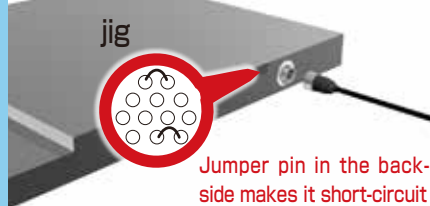
The machine flag which arranged proximity switch.



- Need a space
- When it gets out of position and detects, it turns out to become a different data.

Case 2

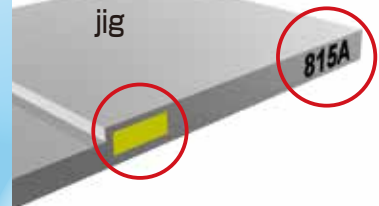
The short circuit connector Identification.



- Need a person to pull a connector only for identification.
- Damage, abrasion of a connector
- Forgets to pull a connector

Case 3

Visual observation, owing to a worker, of the marking and color identification.



- In the case of marking identification, it is left to a worker; a burden on worker.
- In the case of color discrimination, lack of color and the deterioration of the color cannot be distinguished.

Easily Introduced! Simple improvement!

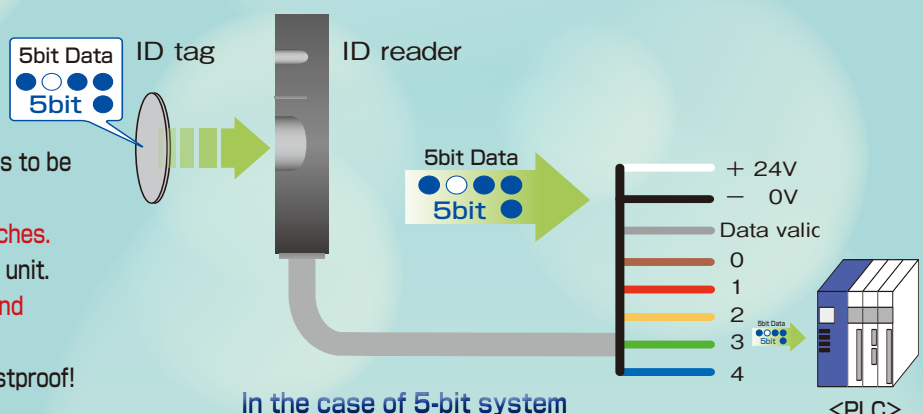
When use B&PLUS simple ID system,

One ID reader can solve the problems!

- Just stick ID tag on to the model that wants to be identified.
- Parallel output starts as ID reader approaches.
- Simple wiring! Just connect cable to input unit.
- Unlike the existing ID system, controller and programming is not required.
- Protection class IP67. Waterproof and dustproof!
- Easy wiring by ID writer.

Reading automatically

Output in Parallel



In the case of 5-bit system

ID reader 5bit & 8bit

Thin and compact
Small type

5bit



Identify
max. 32 kinds

Easy to attach
Cylinder type

8bit



Identify
max. 256 kinds

Compact type

8bit



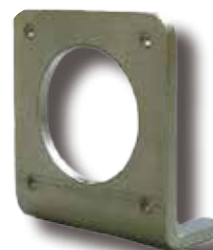
Identify
max. 256 kinds

Type	NPN PNP	Z5-EA05N-__ Z5-EA05P-__	Z5-AA01N-__ Z5-AA01P-__	Z5-AA03N-__ Z5-AA03P-__
Supply voltage / Current consumption		24V DC \pm 10% (including ripple) / max. 50mA	24V DC +10% -20% (including ripple) / max.60mA	24V DC +10% -20% (including ripple) / max.70mA
Output signal		Parallel(5bit+Data valid)	Parallel(8bit+Data valid)	
Frequency		13.56MHz (comply with ISO15693)	13.56MHz (comply with ISO15693)	
Operating/ Storage temperature		0...+50°C	0...+50°C / -25...+70°C (with no icing)	0...+50°C / 0...+70°C
Operating/ Storage humidity		35...90%RH	35...90%RH	
Protection class		IP67	IP67	
ID tag data reading time		50ms (Reading automatically)	50ms (Reading automatically)	
Weight		Body 20g + Cable 50g/m	Body 180g + Cable 70g/m	Body 60g + Cable 75g/m
Regular cable length		2 m (Model end 02 \Rightarrow 2m, 05 \Rightarrow 5m, 10 \Rightarrow 10 m)	5 m (Model end 05 \Rightarrow 5m, 10 \Rightarrow 10m, 25 \Rightarrow 25 m)	
Maximum cable length		10m	25m	
Cable		PVC, ϕ 5.5, 8xAWG24	PUR, ϕ 8.2x0.5mm ² , 9x0.18mm ²	PUR, ϕ 7.7, 2x0.5mm ² , 9x0.18mm ²
Cable bend radius		33mm	50mm	
Installation screw/ clamp torque		M4 / 1.2N · m	M30 / 20N · m	M4 / 1.5N · m
Dimension		D10mm x W25mm x H50mm	M30x H74.5mm	D25 x W45 x H45

Mounting bracket(an optional extra)

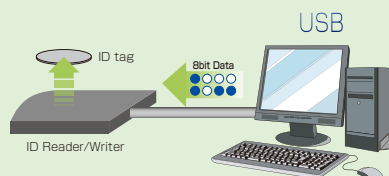
Type B-PLUS-BLOP-01

- Cylinder shape (M30) can also be installed.
- Made from SUS, hard to rust material.
- Mounting screws included.



ID Reader/Writer (Common to each systems)

Read system



It is easy to write data from PC by using the bundled application software.

Type	Z6-01-U
Connection type	USB type
Supply voltage	3.3V DC (USB BUS-power)
Size	119mm x 67mm x 16mm 、 cable length 1m
PC support version	Windows2000/ XP / Vista / 7/8/10
Read/write software	Using the bundled application software
Operating temperature	0...+50°C
Storage temperature	-10...+70°C





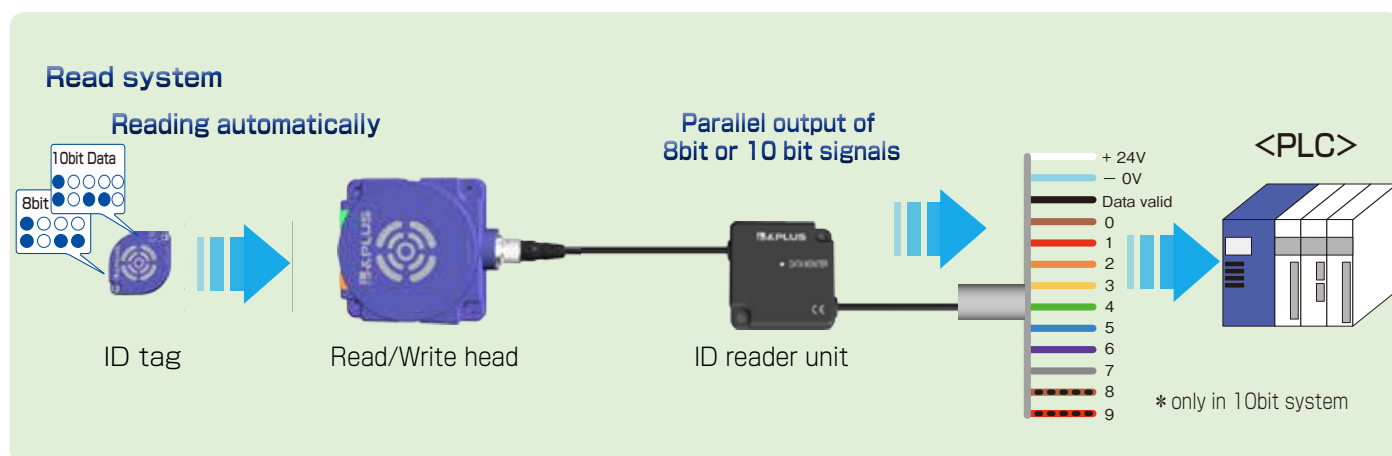
8bit 10bit



Type	Z3-A010-CN	Z3-A010A-CN
Supply voltage / Current consumption	Refer to ID reader unit	
Output signal	Refer to ID reader unit	
Frequency	13.56MHz (Comply with ISO 15693)	
Operating/ Storage temperature	0...+50°C / -10...+70°C	
Operating/ Storage humidity	5...90% (no condensation)	
Protection class	IP67	
ID tag data reading time	80ms (Reading automatically)	
Weight	Body 210g	
Installation screw/ clamping torque	M5 / 1.5N · m	
Dimension	D30mm x W80mm x H80mm	
Supported ID tags	All tags except "ISO15693CARD tag" are supported.	On 4th page. Only "ISO15693CARD tag" is supported

Type	8bit 10bit	Z5-CA01N(P)-PU02 Z5-DA01N(P)-PU02
Supply voltage / Current consumption	DC24V ± 10% / max.200mA *Total value with read/write head	
Output signal	Parallel/ 8(10)bit+Data valid	
Output specification	NPN / PNP	
Correspondent read/write head	Z3-A010-CN	
Operating temperature/ humidity	0...+50°C / 35...90% RH	
Protection class	IP67	
Weight	8bit...350g (Cable length 2m) 10bit...400g (Cable length 2m)	
Regular cable length	2m	
Maximum cable length	10m	
Cable bend radius	50 mm	
Dimension(except the cable)	D25mm x W55mm x H55mm	

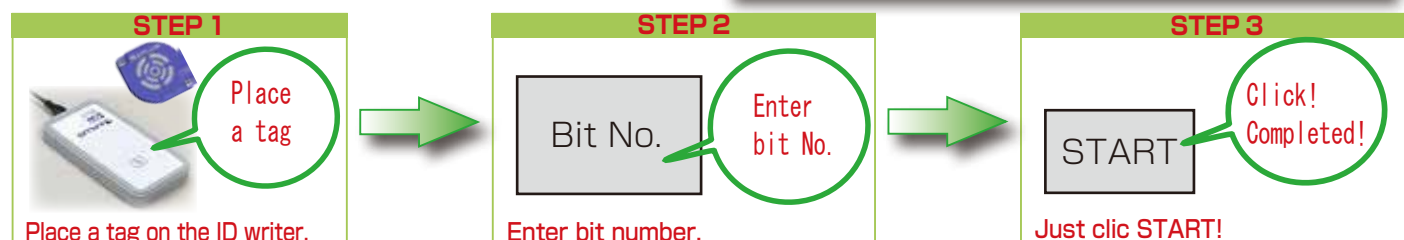
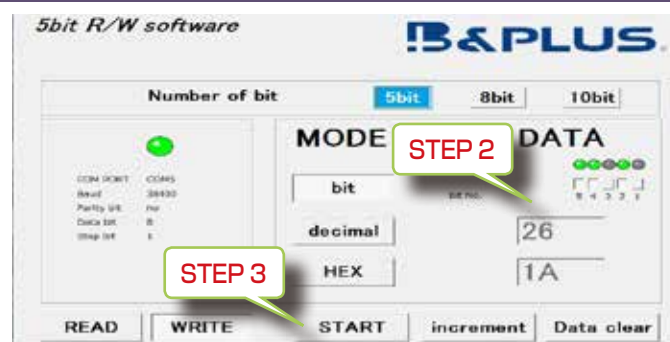
Construction of the system 8bit & 10bit





Just install free accessory software

Just 3 steps !

Writing is completed in no time !



ID tag

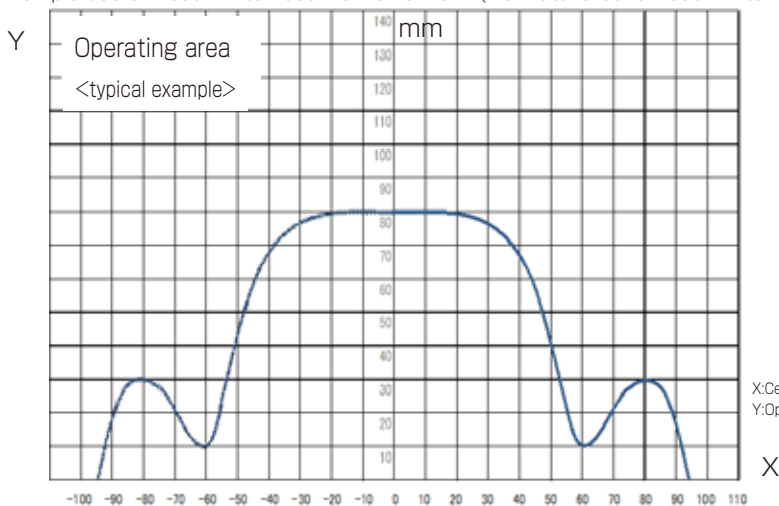
Type code	Z1-AA04-02K	Z1-B011-128
Features	D-2N Compatible install	Long distance D tag
		
Applicable system	5/8/10 bit	5/8/10 bit
Size	30 x 30 x 6 mm	φ 50 x 8.3mm
Material	PBT	PA6
Available memory capacity	2K byte (FRAM)	
Operating temperature	-25...+70℃	-20...+85℃
Storage temperature	-40...+85℃	
Protection class	IP67 (IEC standard)	
Mounting	M3 screw ³⁾ Tightening torque 0.5Nm	M4 screw ³⁾ Tightening torque 0.7Nm
Read/Write cycles Data retention time	Read : unlimited Write : unlimited Data retention time: 10 years	
Standard	Comply with ISO15693(Frequency 13.56MHz)	
Metal mounting	Yes ⁴⁾	Yes ⁴⁾
Reading distance (In the case of non-metal)	5bit:0...12mm 8bit:0...16mm 10bit:0...34mm	5bit:0...12mm 8bit:0...22mm 10bit:0...54mm

*Please purchase five tags by lot.

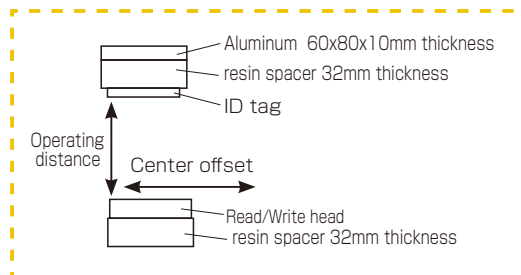
- 1) Please contact us if the storage temperature would be over 120℃ .
- 2) Please contact us if Z1-EA02-128 is used where waterproofness is required.
- 3) M3,M4 or M5 metal screws are not composed with. Please prepare in your side.
- 4) Metal mounting is not possible in combination with ID reader Z3 - A010 - CN.
- 5) The value of the reading distance is a reference value.

ISO15693CARD tag

Example use of Read/Write head Z3-A010A-CN (No metal around Read/Write head)



Measurement condition



SIZE 86mm x 54mm x 0.9mm Comply with ISO7810
Data writing to ID tag service is available,
please contact us.

about Installation of ID reader and ID tag

To avoid the surrounding metal and mutual interference when you install Reader, please keep area greater than or equal to value shown in below table.
Also, if the non-metallic area depends on the combination of Data carrier and Reader, please keep non-metallic area of the greater value.

Wireless Power Supply by B & PLUS K.K.

Mail : b-plus-usa@b-plus-kk.com

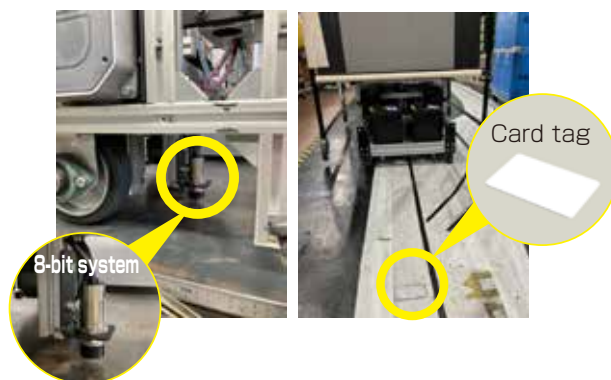
Web : <http://www.b-plus-kk.com>

* Infor may change the mention contents such as specifications without a notice.

Thank you for understanding

Application

8-bit system applied
for AGV address verification



On the B&Plus website, we provide information on applications such as the above, as well as webinar videos and rental demo machines such as the ones below, so please take a look!!

