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EN3-RSA-yy Roller Shutter Magnetic Contact

FEATURES

The EN3-RSA-yy is an aluminium heavy duty Roller Shutter Contact for use in commercial/industrial installations. It features a fully encapsulated aluminium body, potted 1m cable tail and long life rhodium contacts.

COMPLIANCE

This product is designed to meet the requirements of EN50131-2-6:2008 **Grade 3** and Environmental **Class III**. Suitable for use in systems designed to comply with **PD6662:2017**.

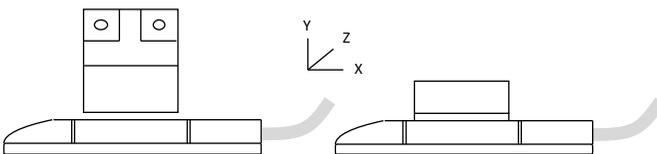
END OF LINE RESISTOR - COLOUR CODE

Each Contact has one pair of End of Line resistors, the values of which are identified by the colour of a sticker on the Contact body and the colour of the label on the bag in which the Contact was supplied. The product code on the product sticker and bag label ends with two letters which also indicates the colour code of the Contact and therefore the value of the two internal resistors; see table below:

Colour of Contact Sticker & Bag Label	Last Two Letters of Product Code	Value of Internal Resistors	Suitable Control Panels
Red	RD	4k7/2k2	ADE, Bosch, Castle, Menvier, Pyronix, Scantronic, Texecom
Green	GN	1k/1k	Honeywell
Blue	BL	8k2/8k2	Guardall
Grey	GY	4k7/4k7	Aritech, HKC, Siemens
Purple	PU	6k8.4k7	GardTec
Yellow	YL	2k2/2k2	Europlex
Orange	OR	5k6/5k6	DSC

INSTALLATION

Contact and Magnet should be fitted with minimum gap between them and ideally no more than about half the total operating gap. See drawings below for typical positioning and orientation. Ensure central positioning of magnet on X and Z axis. Connect, retaining coloured identification sleeves.



Operating Distances (mm) Non Ferrous Surface		
Y	Min Close	18
	Max Open	36
+/- X*	Min Close	12
	Max Open	32
Z*	Min Close	20
	Max Open	42

*At 'Y' = 6mm

CONNECTION

The Contact can be used in the following formats:

- Double pole (No Resistors) – Single and double leaf doors Figures 1 & 2
- Fully Supervised Loop – Single and double leaf doors – All panels except Guardall Figures 3 & 4
- Fully Supervised Loop – Single and double leaf doors – Guardall panels Figures 5 & 6

IMPORTANT

Do not shorten cable before reading the following paragraph.

The contact wires have been colour coded using coloured sleeves. The core wires are not coloured inside the sheath. To shorten the overall cable length, strip the sheath and slide the sleeves down the wires, then cut the cable to the required length, ensuring the coloured sleeves remain on the core wires. The six wires are: 2 x white, 1 x red, 1 x yellow, 1 x blue & 1 x black.

Double Pole Wiring - No Resistors

Figure 1: Single Leaf Door

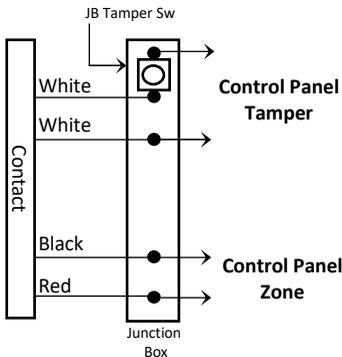
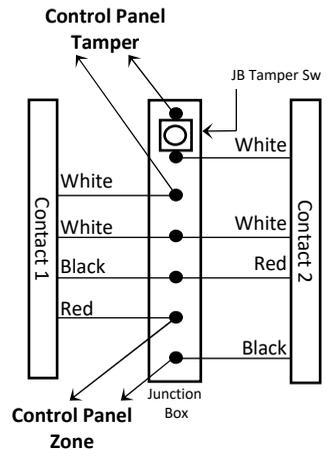


Figure 2: Double Leaf Door



*Colours not shown
are not connected*

Fully Supervised Loop – All panels except Guardall

Figure 3: Single Leaf Door

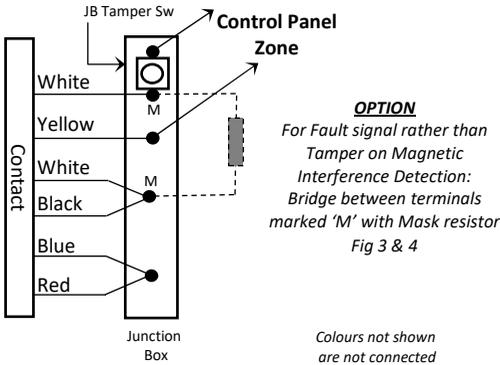
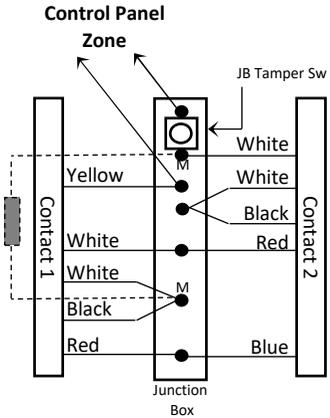


Figure 4: Double Leaf Door



Fully Supervised Loop – Guardall Panels

Figure 5: Single Leaf Door

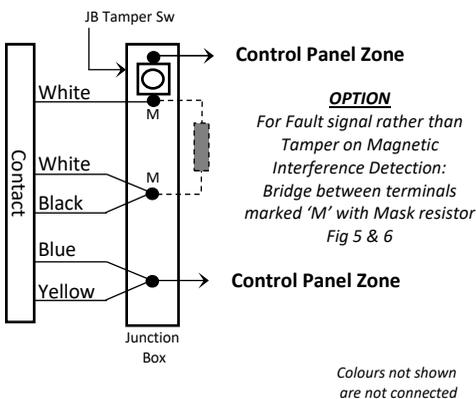
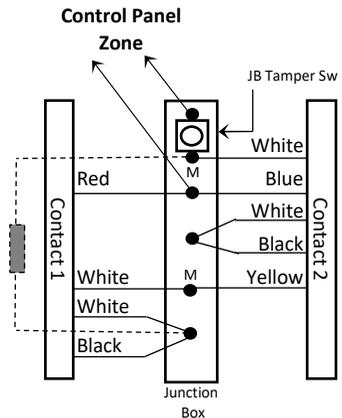


Figure 6: Double Leaf Door



SPECIFICATION

Housing Material	Cast Aluminium
Cable	1m x 6core stainless steel armoured
Sensor Dimensions (mm)	150 x 40 x 14 (98mm fixing centres)
Magnet Dimensions (mm)	61 x 72.5 x 40 (38mm fixing centres)
Fixing Screws	M6
EN50131-2-6 Grade	3
Environmental Class / IP rating	III / IP67
Temperature Range	-25°C to +50°C
Contact Material	Rhodium
Power Rating	10VA
Voltage Rating	30V dc
Current Rating	1.0A Max
Resistance	<300mohms
Operating Life	>1 x 10 ⁶ operations

This product meets the essential requirements of the following EU Directives:

EMC: 2014/30/EU
Low Voltage: 2015/35/EU
WEEE: 2012/19/EU
RoHS2: 2011/65/EU



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