

Control components

Push-button Gen 3



- ▶ For use with Rexroth control grips
- ▶ For all construction, handling or agricultural applications



These components are intended to be sold integrated in a Rexroth control grip. They are not available as spare part for safety reasons.

Features

- ▶ Hard-touch surface
- ▶ Dry circuit with resistor bridge
- ▶ Logo and backlight option






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Type code









01	02	03
N	B	AA






Button Generation		Performance Level	
01	Generation 3	PLc capable	N









Background Color	Backlight	Logo Color	
02 Black 	Without Backlight	Without Logo	A
	With Backlight	White	B
Orange 	Without Backlight	White	C
	With Backlight	Without Logo	D
Red 	Without Backlight	White	E
	With Backlight	Black	F
Yellow 	Without Backlight	White	G
	With Backlight	Without Logo	H
Green 	Without Backlight	White	I
	With Backlight	Without Logo	J
	Without Backlight	Black	K
	With Backlight	White	L
	Without Backlight	White	M
	With Backlight	Without Logo	N
	Without Backlight	White	O
	With Backlight	White	P

Logo (Not visible in the product code)			
03	See logo list		AA

Logo list

Blade		AC
AUX	AUX	AD
Hammer		AE
Horn		AF
Unlock central		AG
RPM down		AH
Arrow up		AI
Arrow down		AJ
Rabbit		AK

Turtle		AL
Joystick		AP
Slew Braking		AQ
Plus	+	AU
Minus	-	AV
Float		AX
Point	•	AY
Neutral	N	AZ
Unlock		BA

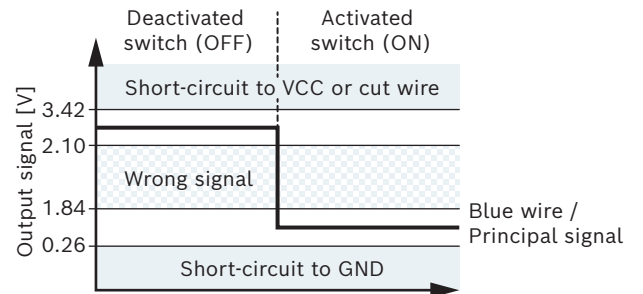
Bucket Pos		BB
Bucket Fix		BC
Differential lock		BD
A		BE
B		BF
C		BG
Cruise control		BH
Pendulum lock		BI

Technical data

General		
Environmental protection		IP69K
Maximum permissible force on the electrical functions	N	50
Design life according to wiring recommendations		2 Mio cycles
Section of each conducting cable		AWG24
Circuit		Dry contact with resistor bridge for ECU management or Joystick base CAN only (pull-up management)
Maximum current on signal line	mA	10
Drawn current on LED line	mA	10
Backlight supply voltage (min. / max.)	V	5 ... 24
MTTF _D	Years	33

Electromagnetic compatibility (EMC)			Qualified to standards ISO 7637, ISO 11452, ISO 10605
Switching diagram	Without Backlight		
	With Backlight		

Output signal
 (5 V Pull up provided by the signal receiver through a 3.16 kΩ Pull up resistor)

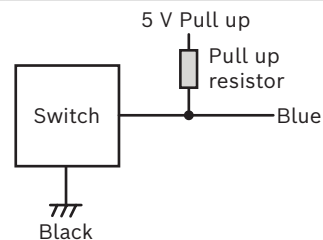


Recommendations for DC wiring

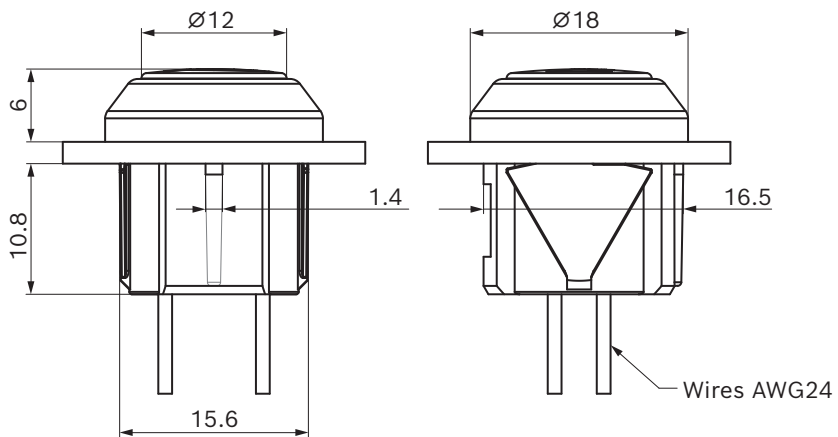
We recommend pull up resistors between 2.8 kΩ and 3.6 kΩ. This ensures sufficient tolerances between high signal, low signal and failure positions.

See below table for values:

Pull up resistor	Signal high	Signal low
2.8 kΩ	2.72 V	0.63 V
3.6 kΩ	2.41 V	0.50 V



Dimensions



Cleaning guidelines

- ▶ Never use solvents or aggressive cleaning agents like bleach. Clean the control grip using only water and a plastic cleaning agent if necessary.

Bosch Rexroth DSI S.A.S.

BP 101
91, bd Irène Joliot-Curie
69634 Vénissieux Cedex
France
Tel. +33 4 78 78 52 52
www.boschrexroth.fr

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