

Double-handle controller D3



The double-handle controller D3 is a robust switching device for nautical navigation applications. The modular design enables the switching device to be used universally. The double-handle controller is resistant to oil, maritime conditions e.g. offshore /vessels, UV radiation typically from the sun.



Technical data

Mechanical life D3	12 million operating cycles
Operation temperature	-40°C to +60°C
Degree of protection	IP66 front



	D3	S5	Q / Q	- 2 R P	+ 3 R P	Example				- S...	- X	
Basic unit	D3											
Control-handle extended	S5	-20mm										
Grip- control handle left	Q	T-grip										
Grip- control handle right	Q	T-grip										
Axis 1 (direction 1-2)	2	2 contacts (1,5A 24V DC13)										
R		Friction brake										
P		Potentiometer										
Axis 2 (direction 3-4)	3	3 contacts (1,5A 24V DC13)										
R		Friction brake										
P		Potentiometer										
Cover housing	B	Cover housing										
Description axis 1 (direction 1-2)	A05	Arrangement MSP21										
P484		Potentiometer T318 2x5kOhm										
Description axis 2 (direction 3-4)	A050	Arrangement MSP21-0										
P484		Potentiometer T318 2x5kOhm										
Interface	E1292	Voltage output 0...5...10V										
Plug connectors	S..	Standard plug connectors (see page 129)										
Special model	X	Special / customer specified										

Technical details may vary based on configuration or application! Technical data subject to change without notice!

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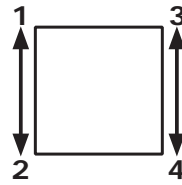
Combination possibilities with our handles



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	D3	S5	Q / Q	-	2 R P	+	3 R P	-	B	-	A05	P484	+	A050	P484	-	E1292	-	X	
Basic unit																				
D3																				
Control-handle extended*																				
Standard 148mm																				
S5 -20mm																				
S8 +20mm																				
<i>*Only available in combination with handle!</i>																				
Grip-control-handle left																				
Knob																				
D Push button																				
Q T-grip																				
QD T-grip with push button side																				
Grip-control-handle right																				
Knob																				
D Push button																				
Q T-grip																				
QD T-grip with push button side																				

Identification of the installation variants with switching directions:



D3

	D3	S5	Q / Q	-	2 R P	+	3 R P	-	B	-	A05	P484	+	A050	P484	-	E1292	-	X	
Axis 1: direction 1-2 left																				
1 1 contact	Standard contact- arrangement see page 131																			
2 2 contacts	e.g.																			
3 3 contacts	A98 MS0																			
	A05 MS21																			
	A050 MS21-0																			
	<i>A99 contact - arrangement according customer request</i>																			
R Friction brake																				
(P) Mounting options for potentiometer and (Gessmann-types)																				
P Potentiometer	P484 T318 2x5kOhm I max. 1mA																			
	<i>More potentiometers on request!</i>																			
H Hall-Potentiometer	E10311 0,5...2,5...4,5V / 4,5...2,5...0,5V																			

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If both axis identical, it's enough to describe one axis!
Example: ...A05P214 + A05P214 => A05P214

D3 S5 Q/Q - 2RP + 3RP - B - A05 P484 + A050 P484 - E1292 - X

Axis 2: direction 3-4 left

1	1 contact	Standard contact- arrangement see page 131		
2	2 contacts	e.g.		
3	3 contacts	A98	MS0	
		A05	MS21	
		A050	MS21-0	
		<i>A99 contact - arrangement according customer request</i>		
R	Friction brake			
(P)	Mounting options for potentiometer (Gessmann-types)			
P	Potentiometer	P484	T318 2x5kOhm	I max. 1mA
		<i>More potentiometers on request!</i>		
H	Hall-Potentiometer	E10311	0,5...2,5...4,5V/4,5...2,5...0,5V	

D3 S5 Q/Q - 2RP + 3RP - B - A05 P484 + A050 P484 - E1292 - X

Cover housing

B Cover housing

Interface (description the following pages)

Potentiometer output
E1xx Voltage output
E2xx Current output

Special model

X Special / customer specified

Voltage outputs

Supply voltage	11,5-32V DC		
Wiring	Cable 300mm long without plug connector		
	Optional with plug connector (standard plug connectors see page 129)		S
0...5...10V per axis		1 axis	E129 1
		2 axis	2
10...0...10V per axis		1 axis	E141 1
		2 axis	2
-10...0...+10V per axis		1 axis	E140 1
		2 axis	2
<i>Voltage output with other value on request!</i>			

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Current outputs

Supply voltage	18-36V DC		
Wiring	Cable 500mm long without plug connector		
	Optional with plug connector (<i>standard plug connectors see page 129</i>)		S
4...12...20mA per axis	1 axis	E209	1
	2 axis		2
20...4...20mA per axis	1 axis	E217	1
	2 axis		2

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T= grip
D=Push button

