

Double-handle controller D64 / DD64



The double-handle controller D64/DD64 is available in either single-axis or multi-axis options and is a robust controller used commonly in electro-hydraulic 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 D64	10 million operating cycles
Mechanical life DD64	20 million operating cycles
Operation temperature	-40°C til +60°C
Degree of protection	IP54 front



	D64	S5	Q	/	Q	- 01 Z P	+ 03A R C	- A05 P134	+ A110 C01	- X
Basic unit										
D64										
Control-handle extended										
S5 -20mm										
Grip- control handle left										
Q T-grip										
Grip- control handle right										
Q T-grip										
Axis 1 (direction 1-2)										
01 2 contacts (2A 250V AC15)										
Z Spring return										
P Potentiometer										
Axis 2 (direction 3-4)										
03A 6 contacts (4A 250V AC15)										
R Friction brake										
C Opto-electronical encoder										
Description axis 1 (direction 1-2)										
A05 Arrangement MSP21										
P134 Potentiometer T396 2x5kOhm										
Description axis 2 (direction 3-4)										
A110 Arrangement MSP 24-0										
C01 OEC 2-1-1										
Special model										
X Special / customer-specific										

Double-handle controller

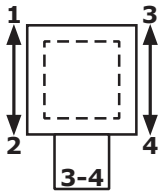
D64 / DD64

Combination possibilities with our handles



	D64	S5	Q	/	Q	- 01 Z P	+ 03 A R C	- A05	P134	+ A110	C01	- X
Basic unit												
D64												
reinforced version												
DD64												
Control-handle long*												
Standard 180mm												
S5 -20mm												
S8 +20mm												
<i>*Only in combination with knob!</i>												
Grip- control handle left												
Knob												
M Mechanical zero interlock												
T Dead man												
H Signal button												
D Push button												
DV Flush push button												
Q T-grip												
QM T-grip with mechanical zero interlock												
QMH T-grip with mechanical zero interlock + signal contact												
QH T-grip + signal button												
QD T-grip + push button side												
B10 Palm grip B10... (see page 144)												
Grip- control handle right												
Knob												
M Mechanical zero interlock												
T Dead man												
H Signal button												
D Push button												
DV Flush push button												
Q T-grip												
QM T-grip with mechanical zero interlock												
QMH T-grip with mechanical zero interlock + signal contact												
QH T-grip with signal button												
QD T-grip push button side												
B10... Palm grip B10... (see page 144)												

Identification of the installation variants with switching directions:



D64 / DD64

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

Double-handle controller

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D64L S5 Q / Q - 01 Z P + 03 A R C - A05 P134 + A110 C01 - X

Axis 1: direction 1-2

(Standard contacts gold-plated 2A 250V AC15)

01	☐	2 contacts	Standard contacts - see arrangement page 112	
02	☐	4 contacts	z.B.	
03	☐	6 contacts	A980	MS00
04	☐	8 contacts	A05	MS21
05	☐	10 contacts	A0500	MS21-00
06	☐	12 contacts	A110	MS24-0
☒ = silver contact (4A 250V AC15)			A99 contact - arrangement according customer request	

Z Spring return

R Friction brake

(P) Mounting options for potentiometer and encoder (Gessmann-types)

P	Potentiometer	P131	T396 2x0,5kOhm	I max. 1mA
		P132	T396 2x1kOhm	I max. 1mA
		P133	T396 2x2kOhm	I max. 1mA
		P134	T396 2x5kOhm	I max. 1mA
		P135	T396 2x10kOhm	I max. 1mA
		More potentiometer on demand!		

C Encoder C... Encoder see page 119

If both axis identical, it's enough to describe one axis!
example: A05P134 + A05P134 => A05P134

D64 S5 Q / Q - 01 Z P + 03 A R C - A05 P134 + A110 C01 - X

Axis 2: direction 3-4

(Standard contacts gold plated 2A 250V AC15)

01	☐	2 contacts	Standard contact - see arrangement on page 112	
02	☐	4 contacts	z.B.	
03	☐	6 contacts	A980	MS00
04	☐	8 contacts	A05	MS21
05	☐	10 contacts	A0500	MS21-00
06	☐	12 contacts	A110	MS24-0
☒ = silver contacts (4A 250V AC15)			A99 contact - arrangement according customer request	

Z Spring return

R Friction brake

(P) Mounting options for potentiometer and encoder (Gessmann-types)

P	Potentiometer	P131	T396 2x0,5kOhm	I max. 1mA
		P132	T396 2x1kOhm	I max. 1mA
		P133	T396 2x2kOhm	I max. 1mA
		P134	T396 2x5kOhm	I max. 1mA
		P135	T396 2x10kOhm	I max. 1mA
		More potentiometer on demand!		

C Encoder C... Encoder see page 119

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D64 S5 Q / Q - 01 Z P + 03 A R C - A05 P134 + A110 C01 - X

Special model	
X	Special / customer-specific

Attachments	
	Indicating labels
	Indicating labels engraved

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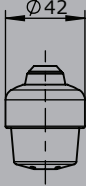
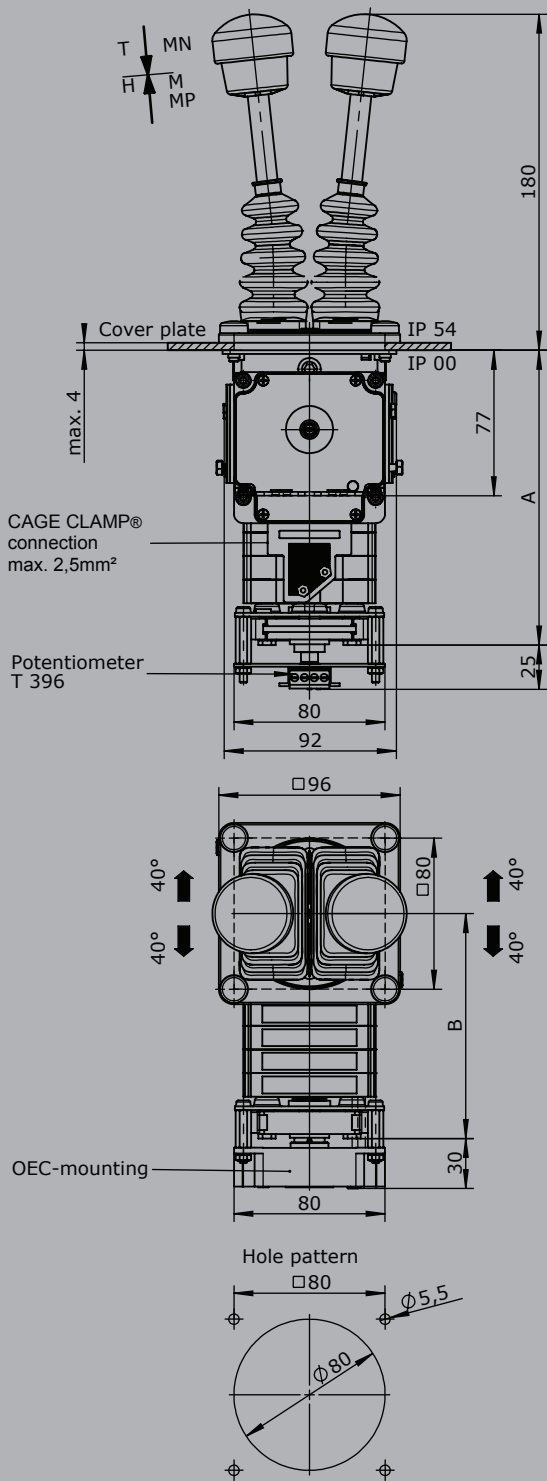
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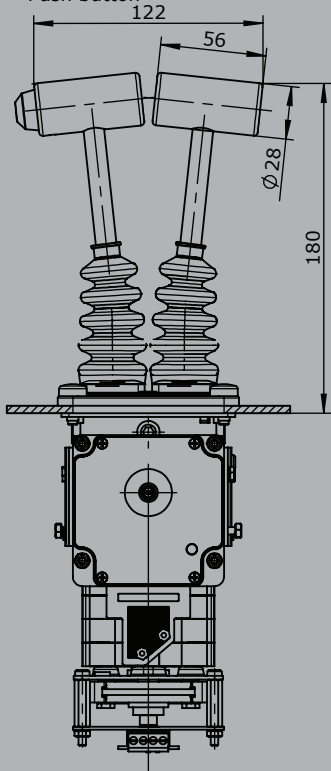
T = Dead man's button
H = Signal button
M = Latch for mechanical
zero interlock

Knob solid
D = Push button

T - grip
D = Push button



To build in:
Direction 1-2
Direction 3-4



Type	No. of contacts	Dim. A	Dim. B
01	2	119	82
02	4	131	94
03	6	144	107
04	8	156	119
05	10	169	132
06	12	181	144