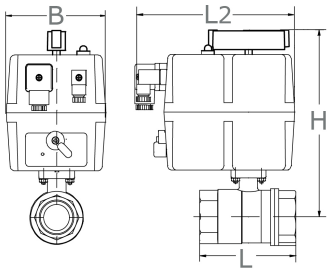
2-piece ball valve F/F, PN 63

short name: K2EA*

with electric actuator

> 2 volt-free limit switches

> with manual override



technical product sheet

DN	G	Volt	Modell	IP	Akku	DPS	Signal	Pot	Art.-Nr.
8	1/4"	24V AC	J2 L10	IP65	NEIN	NEIN	-	NEIN	K2EA-014-0IG-000
8	1/4"	24-240	J4C S20	IP67	JA	JA	4-20mA	NEIN	K2EA-014-0IG-BD0
8	1/4"	24-240	J4C S20	IP67	JA	NEIN	-	JA	K2EA-014-0IG-B0P
8	1/4"	24-240	J4C S20	IP67	JA	NEIN	-	NEIN	K2EA-014-0IG-B00
8	1/4"	24-240	J4C S20	IP67	NEIN	JA	4-20mA	NEIN	K2EA-014-0IG-0D0
8	1/4"	24-240	J4C S20	IP67	NEIN	NEIN	-	JA	K2EA-014-0IG-00P
8	1/4"	85-240	J2 H10	IP65	NEIN	NEIN	-	NEIN	K2EA-014-0IG-000
10	3/8"	24V AC	J2 L10	IP65	NEIN	NEIN	-	NEIN	K2EA-038-0IG-000
10	3/8"	24-240	J4C S20	IP67	JA	JA	4-20mA	NEIN	K2EA-038-0IG-BD0
10	3/8"	24-240	J4C S20	IP67	JA	NEIN	-	JA	K2EA-038-0IG-B0P
10	3/8"	24-240	J4C S20	IP67	JA	NEIN	-	NEIN	K2EA-038-0IG-B00
10	3/8"	24-240	J4C S20	IP67	NEIN	JA	4-20mA	NEIN	K2EA-038-0IG-0D0
10	3/8"	24-240	J4C S20	IP67	NEIN	NEIN	-	JA	K2EA-038-0IG-00P
10	3/8"	85-240	J2 H10	IP65	NEIN	NEIN	-	NEIN	K2EA-038-0IG-000
15	1/2"	24V AC	J2 L10	IP65	NEIN	NEIN	-	NEIN	K2EA-012-0IG-000
15	1/2"	24-240	J4C S20	IP67	JA	JA	4-20mA	NEIN	K2EA-012-0IG-BD0
15	1/2"	24-240	J4C S20	IP67	JA	NEIN	-	JA	K2EA-012-0IG-B0P
15	1/2"	24-240	J4C S20	IP67	JA	NEIN	-	NEIN	K2EA-012-0IG-B00
15	1/2"	24-240	J4C S20	IP67	NEIN	JA	4-20mA	NEIN	K2EA-012-0IG-0D0
15	1/2"	24-240	J4C S20	IP67	NEIN	NEIN	-	JA	K2EA-012-0IG-00P
15	1/2"	85-240	J2 H10	IP65	NEIN	NEIN	-	NEIN	K2EA-012-0IG-000
20	3/4"	24-240	J4C S20	IP67	JA	JA	4-20mA	NEIN	K2EA-034-0IG-BD0
20	3/4"	24-240	J4C S20	IP67	JA	NEIN	-	JA	K2EA-034-0IG-B0P
20	3/4"	24-240	J4C S20	IP67	JA	NEIN	-	NEIN	K2EA-034-0IG-B00
20	3/4"	24-240	J4C S20	IP67	NEIN	JA	4-20mA	NEIN	K2EA-034-0IG-0D0
20	3/4"	24-240	J4C S20	IP67	NEIN	NEIN	-	JA	K2EA-034-0IG-00P
20	3/4"	24-240	J4C S20	IP67	NEIN	NEIN	-	NEIN	K2EA-034-0IG-000

available material: ask

Industrial valves › ball valves › with actuator › electric › threaded ends, 2-piece

full description: 2-piece ball valve F/F, PN 63
with electric actuator
> 2 volt-free limit switches

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DN	G	Volt	Modell	IP	Akku	DPS	Signal	Pot	Art.-Nr.
			> with manual override > heater > electric torque limiter (Please notice the operating manual!)						

Technical data of the actuator

Designation	Properties
Housing material	Polyamid (PA 6)
Temperature range	-20°C to +70°C
Manual override	Standard
Potential-free end position feedback	Standard (open/closed)
Optical position indicator	Standard
BBP (Backup battery pack)	Optional
DPS (Positioning system)*	Optional
POT (Potentiometer)	Optional (not for type J2)

*optional input signal 4-20 mA or 0-10 V

Model comparison of electrical actuators

Model	Torque	Voltage range	Type of protection	Running time
J2 L10	10 Nm	24V AC/DC	IP65	16s
J2 H10	10 Nm	85-240V AC/DC	IP65	16s
J4C S20	20 Nm	24-240V AC+24-135V D	IP67	10s
J4C S35	35 Nm	24-240V AC+24-135V D	IP67	10s
J4C S55	55 Nm	24-240V AC+24-135V D	IP67	14s
J4C S85	85 Nm	24-240V AC+24-135V D	IP67	30s
J4C S140	140 Nm	24-240V AC+24-135V D	IP67	25s
J4C S300	300 Nm	24-240V AC+24-135V D	IP67	48s

BBP Backup battery pack

The BBP Backup battery pack ensures a safety adjustment (open or closed) of the valve in the event of a power failure. The battery pack is integrated in the housing of the drive and can only be **installed in the J4C models.**

DPS Positioning system

The DPS positioning system converts the electric actuator into a servo-controlled valve regulator. Via the input signal it is possible to freely position the drive in the swivel range and to determine the actual position of the valve.

Potentiometer

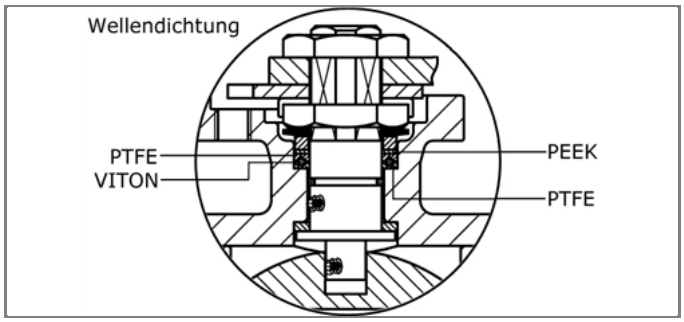
The potentiometer reproduces the actual position of the valve shaft in an ohmic value.
This can be evaluated by an appropriate controller and processed further.
Three potentiometer versions are available:
1 KOhm, 5 KOhm, 10 KOhm
The potentiometer value must be stated when ordering, as a subsequent retrofitting is not possible.

Further information can be found under the section actuators.

Technical data of the valve

Designation	Properties
Housing	Stainless steel 1.4408 (CF8M)
Seat seal	PTFE
Shaft seal	see detailed view below
O-Ring	Viton
Temperature range	-20°C to +180°C
Pressure range	PN 63
Mounting flange	ISO 5211
Connection	Innter thread acc. to DIN ISO 228
Features:	Anti-static
	ATEX
	TA-air
	Fire-Safe
	silicon free

Further information can be found under the section ball valves.


Wellendichtung
PTFE
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