

KEY TO TYPES



Max. operating pressure

01	= 0 - 0,1 bar
02	= 0 - 0,2 bar
03	= 0 - 0,3 bar
05	= 0 - 0,5 bar
08	= 0 - 0,8 bar
1	= 0 - 1 bar
2	= 0 - 2 bar
3	= 0 - 3 bar
4	= 0 - 4 bar
5	= 0 - 5 bar
6	= 0 - 6 bar
10	= 0 - 10 bar
16	= 0 - 16 bar
25	= 0 - 25 bar
40	= 0 - 40 bar

Min. control pressure (for pneumatic-actuators)

4	= 4 bar
5	= 5 bar

Series

EV	= Solenoid-valve (direct controlled)
EVS	= Solenoid-valve (with balance piston)
EKVS	= Solenoid-valve (force controlled)
EPV	= Electro-pneumatic-valve
AEPV	= Electro-pneumatic-valve (class A)
MRK	= Flow-control-butterfly-valve (without zero obturation)
MRS	= Flow-control-slide-valve (without zero obturation)
MEA	= Flow-adjustment-valve
SFR	= Strainer / Dirt trap
DEV	= Valve combination (solenoid actuated)
DEPV	= Valve combination (pneumatic actuated)

Version

A	= Class A acc. to DIN EN 161 / DIN EN 16678
O	= Vent valves acc. to DIN EN 16304
Ro	= without zero obturation
Du	= Three-way – switchable version
D	= Three-way version
F	= Bellow

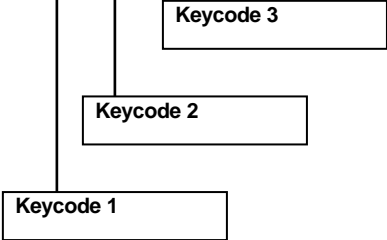
Actuation type MRK/MRS

We	= With free shaft end
Ha	= With manual operation
St	= With electrical actuator
Pn	= With pneumatic actuator
Ma	= With magnetic actuator

Flange version		Thread version	
5N(H) ¹⁾	DN 15	1	G 1/8
7N(H) ¹⁾	DN 20	2	G 1/4
10N(H) ¹⁾	DN 25	3	G 3/8
12N(H) ¹⁾	DN 32	5	G 1/2
15N(H) ¹⁾	DN 40	7	G 3/4
20N(H) ¹⁾	DN 50	10	G 1
25N(H) ¹⁾	DN 65	12	G 1 1/4
30N(H) ¹⁾	DN 80	15	G 1 1/2
100(H) ¹⁾	DN 100	20	G 2
125(H) ¹⁾	DN 125	25	G 2 1/2
150(H) ¹⁾	DN 150	30	G 3
200(H) ¹⁾	DN 200		
250(H) ¹⁾	DN 250		
300(H) ¹⁾	DN 300		
350	DN 350		
400	DN 400		

¹⁾ = Valve body H-design

Example: 05 - EV A 30N -4 Av 00 32 63
 1 - 4 - EPV A 30N -4 00 32 65
 ●● ●● ●●● ●● ●● ●●● ●● ●● ●●



Order additions

-2	= MRK, butterfly plate with limit stop
-4	= Approval according to DIN EN 161 / DIN EN 16678 / DIN EN 16304 Compliant to Gas Appliance Regulation EU/2016/426, or DIN EN ISO 23553-1
Av	= Solenoid actuator with windings for pull-in and hold-in, valve controller type: TS..., RKS... on or in the solenoid actuator
A	= Solenoid actuator with windings for pull-in and hold-in, valve controller type: RKS... separately in the control cabinet
B	= Manual actuation with hand lever
Bn	= Emergency manual actuation
C	= Valve body in angle shape
fr	= Outdoor installation
G	= Minimum flow setting
M	= Main flow setting
MG2	= 2- Stage version, for basic and main flow
P	= Degree of protection IP65
R	= Valve / MRK normally open
Ü	= Medium temperature above 120°C
Ü200	= MRK, medium temperature up to 200°C
Ü550	= MRK, medium temperature up to 550°C
Ü700	= MRK, medium temperature up to 700°C
W	= Installation with horizontal actuator
Xn	= Solenoid actuator for Ex-Zone 2
Xme	= Solenoid actuator for Ex-Zone 1 (encapsulated)
Xde	= Solenoid actuator for Ex-Zone 1 and 21 (flameproof enclosed)
Z	= hydraulic opening delay
Zs	= hydraulic closing delay
ZZ	= hydraulic opening / closing delay

KEYCODE 1 (2 DIGITS):

00 = VG / KR cast iron	: sealing element NBR
01 = VG / KR bronze/brass	: sealing element NBR
02 = VG / KR graphite cast iron	: sealing element NBR
03 = VG / KR cast steel	: sealing element NBR
04 = VG / KR stainless steel	: sealing element NBR
05 = VG / KR cast iron	: sealing element FKM
06 = VG / KR bronze/brass	: sealing element FKM
07 = VG / KR graphite cast iron	: sealing element FKM
08 = VG / KR cast steel	: sealing element FKM
09 = VG / KR stainless steel	: sealing element FKM
10 = VG / KR cast iron	: valve disk sealing PTFE
11 = VG / KR bronze/brass	: valve disk sealing PTFE
12 = VG / KR graphite cast iron	: valve disk sealing PTFE
13 = VG / KR cast steel	: valve disk sealing PTFE
14 = VG / KR stainless steel	: valve disk sealing PTFE
15 = VG / KR cast iron	: valve disk sealing metal
16 = VG / KR bronze/brass	: valve disk sealing metal
17 = VG / KR graphite cast iron	: valve disk sealing metal
18 = VG / KR cast steel	: valve disk sealing metal
19 = VG / KR stainless steel	: valve disk sealing metal
24 = VG / KR cast iron	: sealing element EPDM
25 = VG / KR bronze/brass	: sealing element EPDM
26 = VG / KR graphite cast iron	: sealing element EPDM
27 = VG / KR cast steel	: sealing element EPDM
28 = VG / KR stainless steel	: sealing element EPDM

VG = valve body
KR = butterfly plate

Cast iron	5.1301
Bronze/Brass	CC491K/CW614N
Graphite cast iron	5.3103/5.3104
Cast steel	1.0619N
Stainless steel	1.4408, 1.4301, 1.4571

NBR	= Nitrile Butadiene Rubber
FKM	= Fluorkarbon-Kautschuk
PTFE	= Polytetrafluorethylen
EPDM	= Ethylen-Propylen-Dien-Kautschuk

KEYCODE 2 (2 DIGITS):

29 =	Internal parts stainless steel
30 =	Butterfly plate nickel plated
31 =	Free of non ferrous metals
32 =	VG-connection flange acc. to DIN EN 1092-1 Form B (smooth face)
33 =	VG-connection flange acc. to ANSI B16.5 RF (smooth face)
34 =	VG-connection flange acc. to DIN EN 1092-1 Form D (groove)
35 =	VG-connection flange acc. to DIN EN 1092-1 Form F (tounge)
36 =	VG-with internal coating with 2K PU
38 =	(31 + 32)
39 =	(31+32+36)
41 =	(32+36)
43 =	(31+33)
44 =	(31+33+36)
46 =	(33+36)
48 =	(31+34+36)
49 =	(34+36)
50 =	(31+35+36)
51 =	(35+36)
52 =	Connector acc. to DIN EN 175301-803 without LED
53 =	Connector acc. to DIN EN 175301-803 with LED
54 =	Potentiometer for electrical actuators
55 =	Special butterfly plate for MRK
56 =	Position controller, input signal 4-20 mA
57 =	Position feedback, output signal 4-20 mA
58 =	Connector according to customers requirements
59 =	Compressor unit type KPE... for pneumatic actuators

KEYCODE 3 (2 DIGITS):

60 =	visual position indicator
61 =	1 mechanical limit switch for solenoid-valve with threaded connection
62 =	2 mechanical limit switches for solenoid-valve with threaded connection
63 =	1 mechanical limit switch for solenoid-valve with flanged connection
64 =	2 mechanical limit switches for solenoid-valve with flanged connection
65 =	1 mechanical limit switch for electro-pneumatic-valve with flanged / threaded connection
66 =	2 mechanical limit switches for electro-pneumatic-valve with flanged / threaded connection
67 =	1 mechanical limit switch for MRK / MRS
68 =	2 mechanical limit switches for MRK / MRS
69 =	1 mechanical limit switch, explosion-proof, for solenoid-valves with threaded connection
70 =	2 mechanical limit switches, explosion-proof, for solenoid-valves with threaded connection
71 =	1 mechanical limit switch, explosion-proof, for solenoid-valves with flanged connection
72 =	2 mechanical limit switches, explosion-proof, for solenoid-valves with flanged connection
73 =	1 mechanical limit switch, explosion-proof, for electro-pneumatic-valves with flanged / threaded connection
74 =	2 mechanical limit switches, explosion-proof, for electro-pneumatic-valves with flanged / threaded connection
75 =	1 mechanical limit switch, explosion-proof, for MRK / MRS
76 =	2 mechanical limit switches, explosion-proof, for MRK / MRS
77 =	1 inductive limit switch for solenoid-valves with threaded connection
78 =	2 inductive limit switches for solenoid-valves with threaded connection
79 =	1 inductive limit switch for solenoid-valves with flanged connection
80 =	2 inductive limit switches for solenoid-valves with flanged connection
81 =	1 inductive limit switch for electro-pneumatic-valves with threaded / flanged connection
82 =	2 inductive limit switches for electro-pneumatic-valves with threaded / flanged connection
83 =	1 inductive limit switch for MRK / MRS
84 =	2 inductive limit switches for MRK / MRS
90 =	1 inductive limit switch, manufacturer to customer requirements
91 =	2 inductive limit switches, manufacturer to customer requirements
92 =	1 mechanical limit switch for solenoid-valve and electro-pneumatic-valves, large type
93 =	2 mechanical limit switches for solenoid-valve and electro-pneumatic-valves, large type
94 =	1 limit switch, manufacturer to customer requirements
95 =	2 limit switches, manufacturer to customer requirements
96 =	Emergency stop button on valve
99 =	Version not covered by this type code