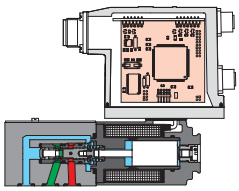
new line

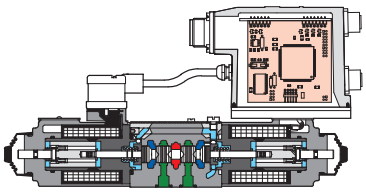
Open loop digital proportionals

directional, flow and pressure controls

DRAFT



reducing pressure valve



directional valve

***New AEB/AES** directional, flow and pressure control proportional valves without transducer are equipped with new on-board open loop digital drivers and strong ZO solenoids, to ensure top market performances*

① ZO-AEB-NP series 10 - basic *table GS115*

Replace actual analog ZO-AE valves and digital series 30 ZO-AES valves in PS execution, without fieldbus interface

Improvements vs analog ZO-AE:
ingress protection IP66/67
rugged construction for vibration & shocks
ambient temperature range -40°C÷+60°C
white zinc protection coating on driver case
tropical coating on electronic PCB

Valve performance: same as ZO-AES series 30

Reference signal: 0÷±10 V or 4÷20 mA

Monitor signal: 0÷±5 V

Valve setting: by Atos software through USB port

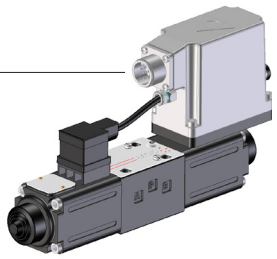
Fieldbus interface -NP = not present

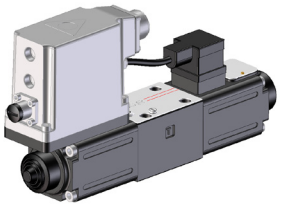
Valve dimension: same as ZO-AES series 30

Prices: equal to ZO-AE

Options: **I** current reference 4÷20 mA
Q enable signal
Z adds double power supply, enable and fault signals
W power limitation function

Standard 7 pin connector:
power supply & analog signals:
reference = 0÷±10V 4÷20 mA
monitor = 0÷±5V 0÷±5V
Optional 12 pin connector:
add double supply, enable & fault





USB port for software setting

② ZO-AES -** series 40 - full *table GS115*

Replace actual digital ZO-AES valves series 30 with fieldbus communication interface

Improvements vs ZO-AES series 30: see ZO-AEB

Valve performance: same as ZO-AES series 30

Reference signal: 0÷±10 V or 4÷20 mA

Monitor signal: 0÷±5 V

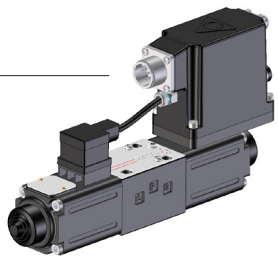
Valve setting: by Atos software through USB port

Fieldbus interface **
for digital reference, valve's diagnostics & setting:
-BC = CANopen
-BP = PROFIBUS DP
-EH = EtherCAT

Prices: equal to ZO-AES series 30

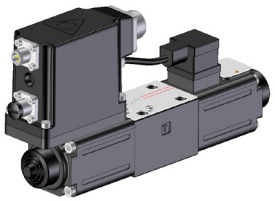
Options: same as ZO-AEB

Standard 7 pin connector:
power supply & analog signals:
reference = 0÷±10V 4÷20 mA
monitor = 0÷±5V 0÷±5V
Optional 12 pin connector:
add double supply, enable & fault



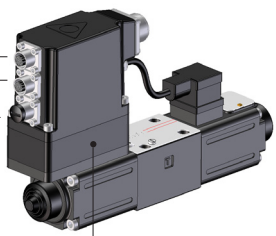
Fieldbus interface port **-BC** or **-BP**

USB port for software setting



EtherCAT interface ports **-EH**

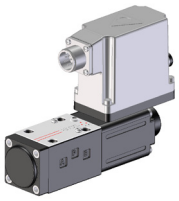
USB port for software setting



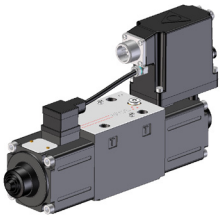
-EH 24 mm higher respect -BC or -BP

Range overview

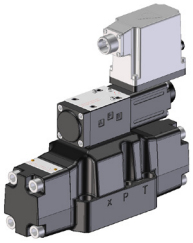
DRAFT



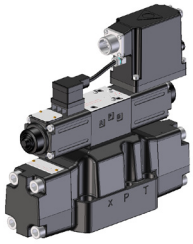
DHZO-AEB-NP-051
Directional, direct



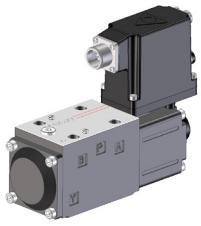
DKZOR-AES-BC-071
Directional, direct



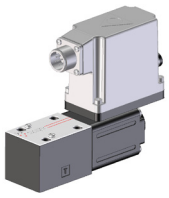
DPZO-AEB-NP-251
Directional, two stage



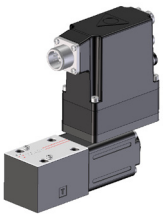
DPZO-AES-BC-271
Directional, two stage



QVKZOR-AES-BP
Flow, direct

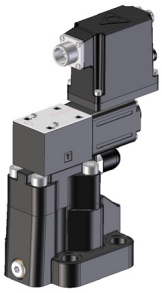


RZMO-AEB-NP
Relief, direct



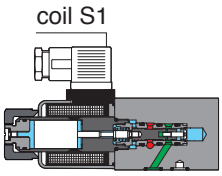
RZGO-AES-EH
Reducing, direct

LIMZO-AES-BP
Relief, cartridge

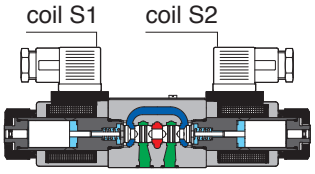


AGMZO-AES-BP
Relief, two stage

AGRCZO-AES-BC
Reducing, two stage



reducing pressure valve



directional valve

***New E-BM-AES** open loop digital drivers in **DIN rail format** are strictly derived from on board AES ones, for remote cabinet installation in applications with critical temperatures levels or harsh environments, where fieldbus communication is required. Actual E-BM-AS drivers remain available for applications without fieldbus interface requirements*

③ E-BM-AES -** series 10 - DIN rail panel format *table GS050*

Designed to supply and control Atos proportionals without transducer, both in high performances ZO execution & competitive ZE one

Reference signal: 0÷±10 V or 4÷20 mA

Monitor signal: 0÷±5 V

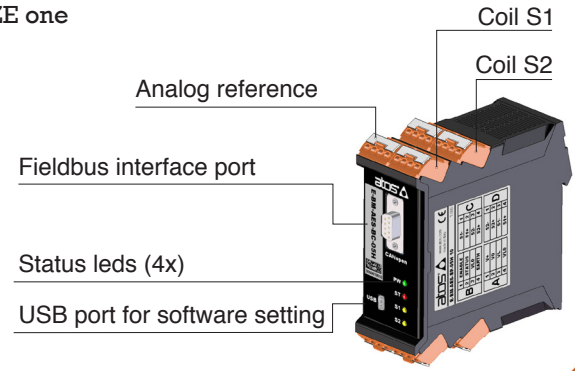
Valve setting: by Atos software through USB port

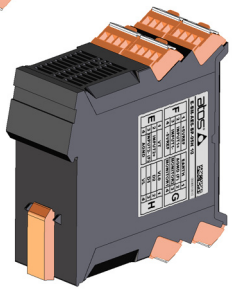
Fieldbus interface **
for digital reference, valve's diagnostics & setting:

-NP = not present
-BC = CANopen
-BP = PROFIBUS DP
-EH = EtherCAT

Prices: 2016 price lists

Options: **I** current reference 4÷20 mA
A max current limitation for ex proof valves
W power limitation function





DIN-rail panel format

USB interface port **-NP**

CANopen interface port **-BC**

PROFIBUS DP interface port **-BP**

EtherCAT interface ports **-EH**