

# End plate VMPAL-EPL-AP

Part number: 8087171

FESTO



 General operating condition

## Data sheet

Feature	Value
Connection position	Top
Reverse polarity protection	yes
Diagnostics via LED	Diagnostics per module Load power supply
Diagnose per internal communication	Electronics/sensors overvoltage Electronics/sensors undervoltage
Max. no. of valve positions	32
Valve manifold design	Valve sizes can be mixed
Max. no. of solenoid coils	32
Dimensions W x L x H	43.1 mm x 107.5 mm x 50.2 mm
Fuse protection (short circuit)	Internal electronic fuse per channel
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 30 mA
Intrinsic current consumption at nominal operating voltage load	Typically 15 mA
Max. power supply	2 x 4 A (external fuse required)
Nominal operating voltage DC for electronics/sensors	24 V
Nominal operating voltage DC load	24 V
Power failure buffering	10 ms
Electrical isolation of outputs between channel - internal communication	yes
Permissible voltage fluctuations for electronics/sensors	± 25 %
Permissible voltage fluctuations load	± 10%
Power supply, function	Incoming electronics/sensors and load
Power supply, type of connection	Plug
Power supply, connection technology	M8x1, A-coded as per EN 61076-2-104
Power supply, number of pins/wires	4
Voltage forwarding, function	Outgoing electronics/sensors and load
Voltage forwarding, connection type	Socket
Voltage forwarding, connection technology	M8x1, A-coded as per EN 61076-2-104
Voltage forwarding, number of pins/wires	4
Certification	RCM compliance mark
KC characters	KC EMC
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
Corrosion resistance class (CRC)	3 - High corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-40 °C ... 70 °C

Feature	Value
Relative air humidity	5 - 95 % Non-condensing
Protection against direct and indirect contact	PELV SELV
Degree of protection	IP65 IP67
Note on degree of protection	In mounted state Unused connections sealed
Ambient temperature	-5 °C ... 50 °C
Nominal altitude of use above sea level	≤ 2000 m NHN
Max. tightening torque	1.7 Nm
Product weight	194 g
Max. cable length	50 m system communication
Communication interface, function	System communication XF10 IN / XF20 OUT
Communication interface, connection type	2x socket
Communication interface, connection technology	M8x1, D-coded as per EN 61076-2-114
Communication interface, number of pins/wires	4
Communication interface, protocol	AP-COM
Communication interface, shielding	yes
Type of mounting	Tie rod
Note on materials	RoHS-compliant
Housing material	Die cast aluminum, painted PA-reinforced
Threaded sleeve material	Brass, nickel-plated