

# End plate VMPAL-EPL-AP

Part number: 8087171

FESTO



 General operating condition

## Data sheet

Feature	Value
Position of connection	Top
Reverse polarity protection	yes
Diagnostics via LED	Diagnostics per module Load power supply
Diagnostics per internal communication	Electronics/sensors overvoltage Electronics/sensors undervoltage
Max. number of valve positions	32
Valve terminal structure	Valve sizes can be mixed
Max. number of valve 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 DC operating voltage, electronics/sensors	24 V
Nominal operating voltage DC of load	24 V
Power failure bridging	10 ms
Electrical isolation of outputs between channel - internal communication	yes
Permissible voltage fluctuations for electronics/sensors	± 25%
Permissible voltage fluctuation of load	± 10%
Power supply, function	Incoming electronics/sensors and load
Power supply, connection type	Plugs
power supply, connection system	M8x1, A-coded to EN 61076-2-104
Power supply, number of pins/wires	4
Power transmission, function	Outgoing electronics/sensors and load
Power transmission, connection type	Socket
Power transmission, connection technology	M8x1, A-coded to EN 61076-2-104
Power transmission, number of pins/wires	4
Approval	RCM trademark
KC mark	KC-EMV
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with 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

<b>Feature</b>	<b>Value</b>
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 assembled state Unused connections sealed
Ambient temperature	-5 °C ... 50 °C
Nominal altitude of use	≤ 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 according to EN 61076-2-114
Communication interface, number of pins/cores	4
Communication interface, protocol	AP-COM
Communication interface, screened	yes
Type of mounting	Tie rod
Note on materials	RoHS-compliant
Material housing	Painted die cast aluminium PA-reinforced
Material threaded sleeve	Nickel-plated brass