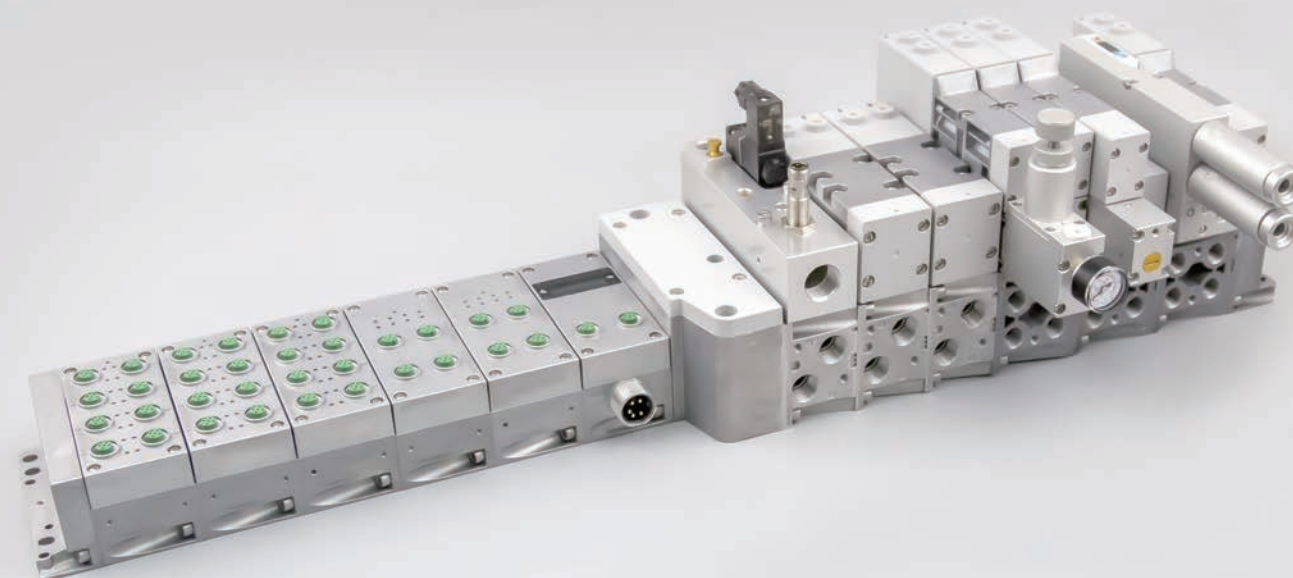




EFV Series ISO Valve Terminal



E · MC GROUP

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Company Website

E·MC GROUP
ELGE24010EFV

OUTPUT

Max 40 outputs

INTEGRATED

Integrate 4 type valves

I/O MODULE

Max 9 I/O modules

FLOW RATE

Max CV

ISO01 1.35

ISO1 1.90

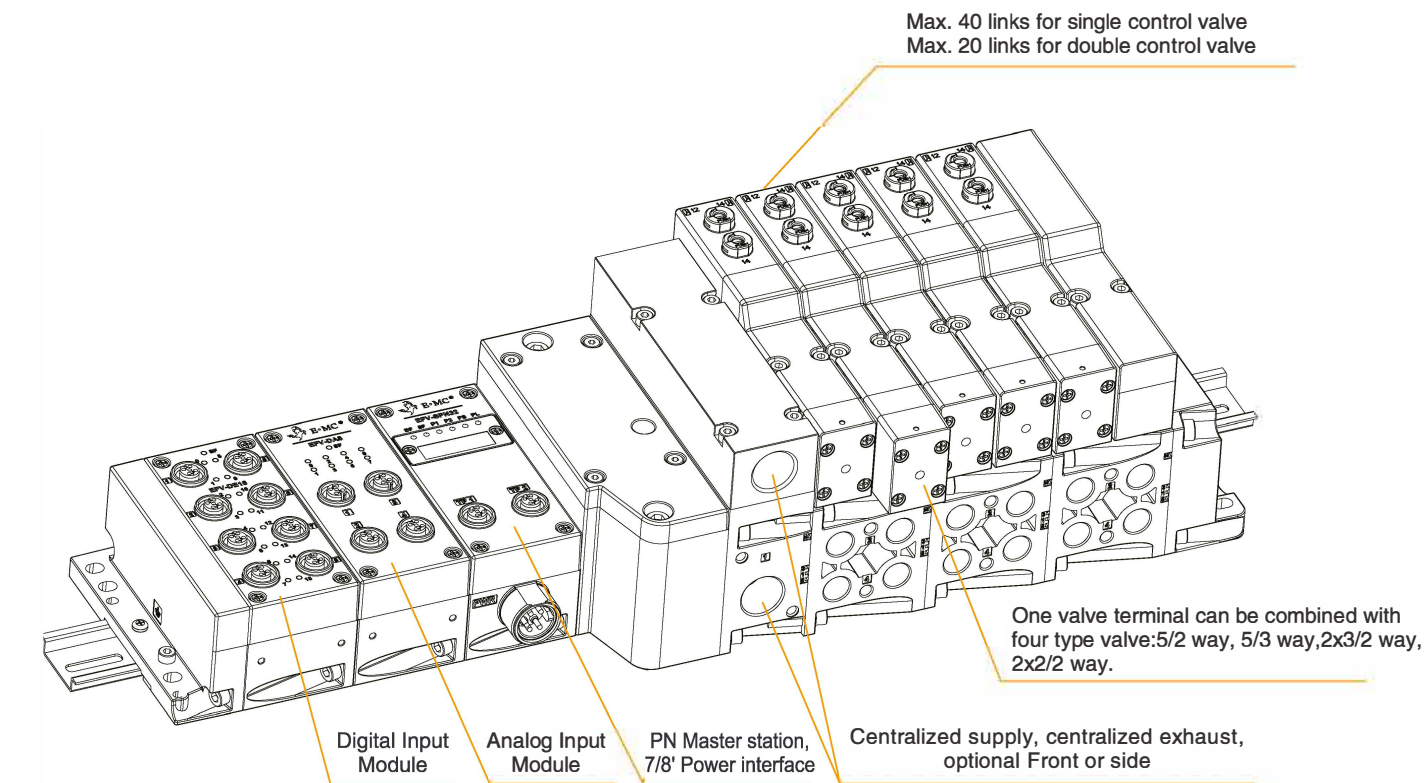
Anti Welding Slag

Anti-interference

Safety

Product Features

1. Comply with ISO15407–2/ISO5599–2 standard;
2. Protection class: IP65;
3. High flow rate, integrated functions, one valve terminal can be combined with four type valve: 5/2 way, 5/3 way, 2x3/2 way, 2x2/2 way, etc.
4. Powerful pressure zoning and stacking module functions to improve the safety performance of valve terminal;
5. Optional soft start valve to slowly establish pressure and protect equipment.
6. Optional pilot switch valve to achieve the safety function of "preventing accidental start-up", used for controlling safety related parts of the system, in accordance with EN ISO13849–1;
7. Optional vacuum module, combined with vacuum suction cup, used for adsorbing, attaching and placing components;
8. Support PROFINET communication protocol;
9. Durable aluminum alloy electrical casing, suitable for welding applications;
10. Flexible configuration of expansion modules, up to 9 I/O modules can be configured, with a maximum of 144 points:



Specifications

Model	ISO 01 (26 mm)	ISO1 (42 mm)
Sectional area (mm)	Max. 24.3(CV=1.35)	Max. 34.2(CV=1.9)
Positions	5/2, 5/3, 2x3/2, 2x2/2	
Working pressure (MPa)	0.2~0.8	
Pilot pressure(external pilot type)(MPa)	0.3~0.8(more than 0.1 higher than working pressure)	
Working porst	G1/4	G3/8
Inlet port	G1/2	
Working medium	Clean air after 40 μ m filtration	
Pilot type	Internal pilot type / External pilot type	
Reset type	air return, air return+spring, spring return	
Lubrication	No required	
Proof pressure (MPa)	1.2	
Temperature(℃)	Working temperature: -5~+50(No freezing); storage temperature: -20~+70	
Working Voltage	DC24V	
Voltage range	±10%	
Power consumption	1.5W	
Insulation class	F Class	
Protective class	IP65	
Protocol	PROFINET	
Configuration file	GSDML	
Outputs	40	
Baud rate	100Mbps	
Control power supply voltage	DC24V(DC18~30V)	
Control power consumption current	Lower than 150mA	
Output power supply voltage (valve)	DC24V (21.6~26.4 V)	
Power interface	7/8", 5 Pin	
Bus interface	2xM12 socket, 4 holes, D encode	
I/O interface	M12 socket, 5 holes, A encode	
Diagnostic	system diagnosis, communication error, short circuit protection, open circuit inspection, opposite connection protection, undervoltage and overvoltage diagnosis	

Applied in the Field of Automotive Manufacturing

