

Redundancy valve block for safety related shut-off function

- Redundancy functions possible
- Pressure switch included
- DIN-rail mounting

Product variants described in the data sheet may differ from the product presentation and description.

Type description

The Type MKRS extended the various usability of valve island Type 8640 as well as the automation system Type 8644. With new Type MKRS in combination with valve types 6524 and 6525 redundancy valve functions can be installed. Thereby according to machinery directives EN ISO 13849 higher safety functionalities up to performance level d can be reached.

1. General technical data

1.1. Valve block

Product properties	
Dimensions	Detailed information can be found in chapter "3. Dimensions" on page 4.
Materials	
Body	Aluminium anodized
Electrical data	
Protection class	3 acc. to VDE 0580
Process/Port connection & communication	
Supply port connection	D8
Working port	D6
Environment and installation	
Degree of protection	IP20
Installation	Any, preferably horizontal on the DIN-rail

1.2. Valves

Product properties	
Dimensions	Detailed information can be found in chapter "3. Dimensions" on page 4.
Materials	
Body	PA
Circuit function	3/2 way valve (normally closed)
Performance data	
Power consumption	0.8 W
Pilot pressure	2.5...10 bar
Manual override	No
Response times ^{1.)}	Opening: 15 ms, Closing: 20 ms
Electrical data	
Operating voltage	24 V
Medium data	
Medium	Lubricated, non-lubricated and dry compressed air; neutral gases (5µm filter recommended)
Medium temperature	-10...+50 °C
Process/Port connection & communication	
Electr. connection	Circular connector M8
Environment and installation	
Ambient temperature	-10...+55 °C

1.) Measuring acc. to ISO 12238

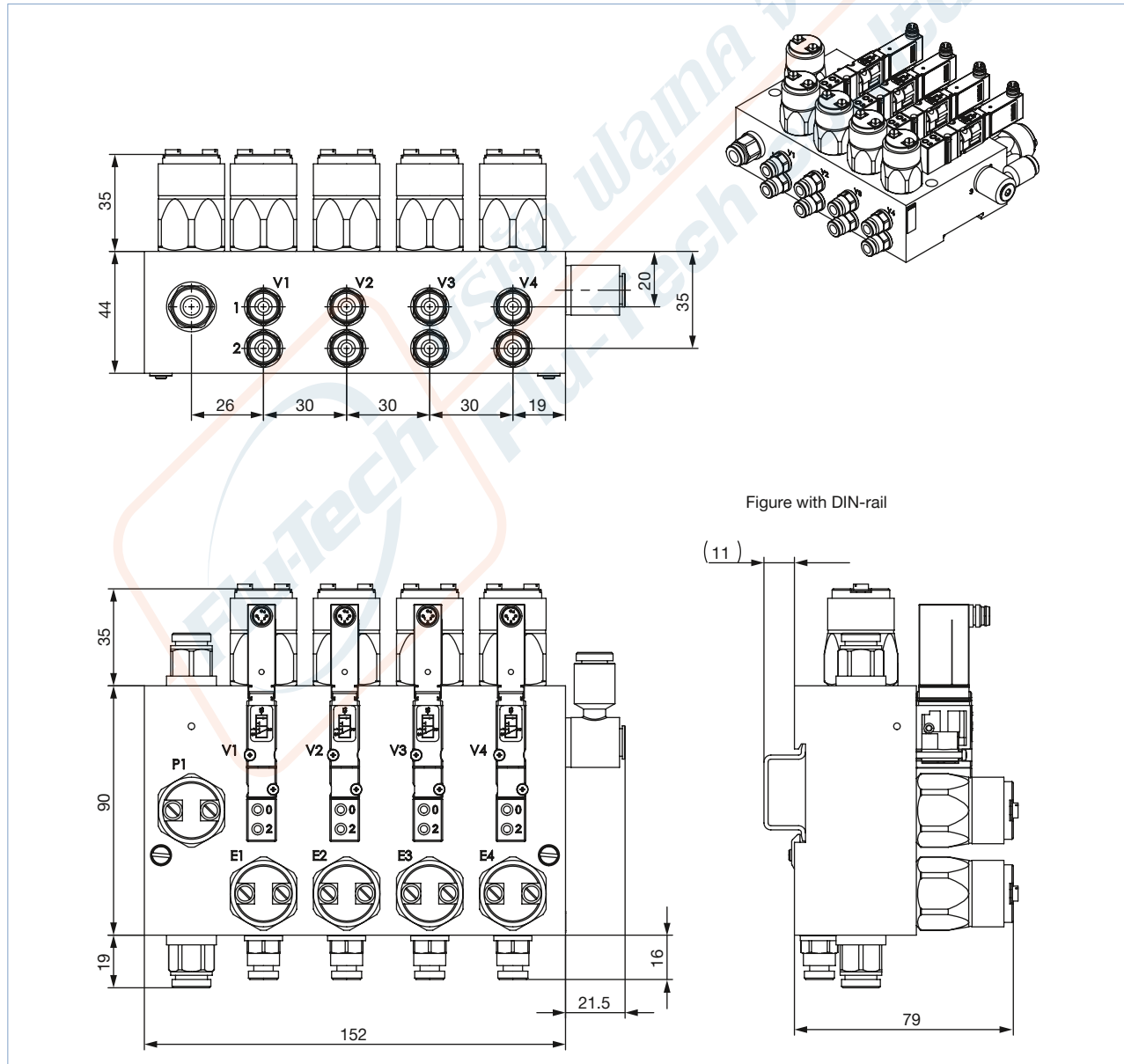
1.3. Diaphragm pressure switch

Product properties	
Dimensions	Detailed information can be found in chapter "3. Dimensions" on page 4.
Materials	
Body	Steel zinc-coated, CrVI-free
Seal	NBR
Function	Opener (normally closed)
Adjustment range (tolerance at room temperature)	1...10 bar (+0.5 bar)
Performance data	
Switching frequency	<200/min ⁻¹
Electrical data	
Operating voltage	Max. 42 V
Process/Port connection & communication	
Electr. Connection	Screw connection M3

3. Dimensions

Note:

Dimensions in mm



4. Product operation

4.1. Pneumatic circuit diagram

