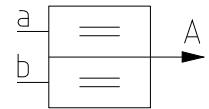
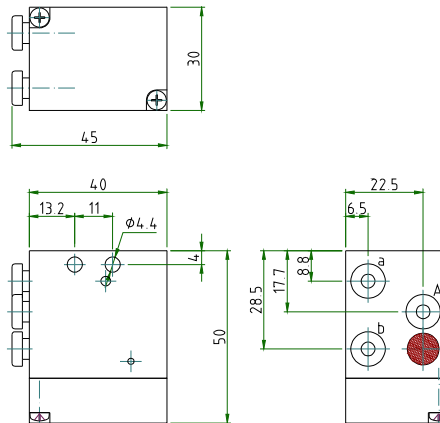
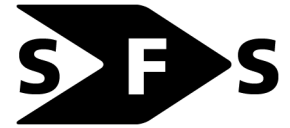


# Two-hand-safety valve, EN 574 type IIIA

type ZH-A

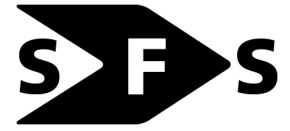
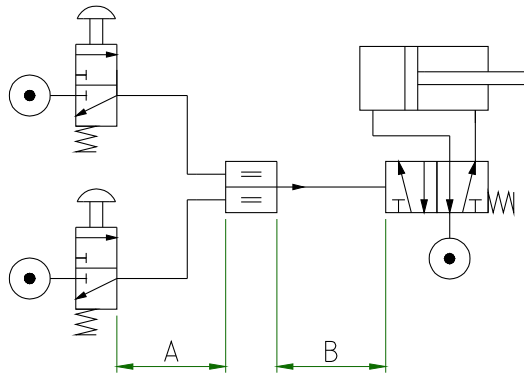


SPECIFICATION	
general	
construction	poppet valve
operator	pneumatic
return	mechanical spring
connection	push-in connection for calibrated plastic tubes with 4 mm outside diameter
ambient temperature	-10°C to +50°C
fluid temperature	-10°C to +50°C
humidity	0 – 100% r.H.
material	body: anodised aluminium inner parts: brass, POM seals: perbunan (NBR) springs: stainless steel
mounting	2 mounting holes for screw M4
installation position	any position
items supplied	valve without adapter for $\Omega$ -rail, incl. mounting and service instruction
pneumatic	
fluid	dried, filtered (50 $\mu$ m), non lubricated , compressed air
operating pressure	2.5 – 8 bar
nominal flow	QNn = 85 NI/min ( $p_1 = 6\text{bar}$ , $\Delta p = 1\text{ bar}$ )
nominal diameter	NW (DN) 2.7mm
max. signal delay	0.4 seconds
response time	see attached chart
minimal nominal diameter of operating device	DN 2.5mm
accessories	adapter for $\Omega$ -rail according to DIN 50022 or 2 holes for M4 screws
EC-type-examination-certificate TÜV	M6 02 02 44919 001

type	article-nr.	description	weight (approx. g)
ZH-A	<b>90 000 369</b>	two-hand-safety valve according EN 574 type IIIA	145
	<b>90 000 376</b>	adapter for $\Omega$ -rail	2

**Two-hand-safety valve, EN 574 type IIIA**

type ZH-A

**Installation of two-hand-safety valve**

cable length A	cable length B	tube dimension
max. 10m	max. 10m	Ø2.7 x 4mm

**Reaction time (p=6bar)**

cable length A	cable length B	average reaction time
1m	1m	0.05s
1m	5m	0.20s
1m	10m	0.60s
5m	1m	0.10s
10m	1m	0.50s

**Response time (definition):** The time interval between the release of at least one of the control elements and the end of the output signal.

In the test procedure the end of the output signal was established by means of a pressure switch positioned at the end of the tube B. The operation of a control valve and associated cylinder (as shown in the schematic diagram) was not taken into account. The control valve in question had a 2.5mm orifice. The response time is dependent on the relevant configuration and must be determined accordingly in individual cases.