Limit Switches, Safety Interlock Switches
Technical Data

Limit switches					AT 0...	ATR...
Contacts / switching capacity, IEC						
Rated impulse withstand voltage U_{imp}				V	6000	6000
Rated insulation voltage U_i				V	500	500
Overvoltage category / pollution degree					III/3	III/3
Rated operational current I_e						
	AC-15	24 V		A	10	10
		230 V		A	6	6
		400 V		A	4	4
		500 V		A	2	2
	DC-13	24 V DC		A	10	10
		110 V DC		A	1	1
		220 V DC		A	0.5	0.5
Supply frequency				Hz	≦ 400	≦ 400
Short-circuit rating in closed position (IEC/EN 60 947-5-1)		fuseless		Type	PKZM 0-10, FAZ-B6	PKZM 0-10, FAZ-B6
		maximum fuse		A gL/gG	10	10
Short-circuit rating to IEC/EN 60 947-5-1		maximum fuse		A gL/gG	6	6
Repetition accuracy of switching point				mm	± 0.02	± 0.02
Mechanical ratings						
Lifespan	standard N.O./N.C. contact		operations	x 10^6	20[2)]	20[2)]
	snap-action contact		operations	x 10^6	20[2)]	20[2)]
Contact temperature of roller head				°C	≦ 100	≦ 100
Mechanical shock resistance (shock duration 20 ms)	standard N.O./N.C. contact			g	25	25
	snap-action contact			g	2	2
Actuating frequency				ops./h	6000	6000
Dimensions					→ page 06/034	→ page 06/049, 054
Actuation						
Mechanical						
Actuating force at beginning/end of stroke						
	Basic units			N	1.0/8.0	1.0/8.0
	S			N	–	–
	RS			N	1.0/8.0	–
	AR (WR)			N	1.0/8.0	–
	ARG-ATR, ARK-ATR			N	1.0/8.0	1.0/8.0
	ZB/ZBZ (push in/pull out)			N	–	–
Mechanical holding force	ZBZ/G; ZBZ/W			N	–	–
	ZBZ/F; ZBZ/NW			N	–	–
	ZBZ/FG; ZBZ/NG			N	–	–
Actuating torque of rotary drives				Nm	0.2	–
Max. operating speed with DIN cams			approach angle			
	Basic units		(α = 0°/30°)	m/s	1/0.5	1/1
	R		(α = 30°)	m/s	1.5	–
	V		(α = 30°, L = 125 mm)	m/s	1.5	–
	H		(L = 130 mm)	m/s	1.5	–
	AR		(α = 30°/45°)	m/s	1	–
	ARG-ATR		(α = 30°, β = 45°)	m/s	–	1.5/1
	ARK-ATR		(α = 30°)	m/s	–	1
	WR		(α = 30°)	m/s	1	–
	RS, ZRS		(α = 0°/30°)	m/s	1/1	–
	S, ZS		(α = 0°/30°)	m/s	1/0.5	–
Electromechanical						
For magnet	AC voltage (50/60 Hz)			V/VA	–	–
				V/VA	–	–
	DC voltage			V/W	–	–
Voltage tolerance					–	–
Magnet duty factor				DF	–	–