

Overview – Basic Devices

Type	SNO 4083KM	SNO 4062K/KM	SNO 4063K/KM	SNA 4043K/KM	SNA 4044K/KM	SNA 4063K/KM	SNA 4064K/KM	
Page	32	34	36	38	38	40	40	
Application								
Input Circuits								
	CH1 0,5 tsync CH2 1,5							
Start	SAFE START	AUTO-RESET	AUTO-RESET	AUTO-RESET	AUTO-RESET	AUTO-RESET		
		COMBI RESET ³⁾	COMBI RESET ³⁾					
Contacts								
Characteristics	MONO FLOP	MONO FLOP	MONO FLOP	MONO FLOP	MONO FLOP	MONO FLOP	MONO FLOP	
Rated voltage DC (V)	24	24	12 24	24	24	24	24	
Rated voltage AC (V)	115-230		24 115-120 230	24 42-48 115-120 230	24 42-48 115-120 230	24 42-48 115-120 230	24 42-48 115-120 230	

¹⁾ application-dependent

²⁾ 24 V devices only

³⁾ possible only in isolated cases and according to the risk assessment of the machine functions

	SNO 4003K	SNO 1012K	SNS 4074K/4084K	SVM 4001K	SNT 4M63K	SNZ 4052K	SNZ 1022K
	42	44	46	48	50	52	54
	24	24	24	24	24	24	24
	24 115-120 230	24			24 115-120 230	24 115-120 230	24 115-230

safe RELAY

For glossary, see cover page 120















Overview – Basic Devices with time function

Type	SNV 4063KL	SNV 4063KP	SNV 4074SL	SNV 4076SL	SNV 4274SL	SNV 4074ST		
Page	56	58	60	60	62	62		
Application								
Input Circuits								
Start								
Contacts								
Characteristics								
Rated voltage DC (V)	24	24	24	24	24	24		
Rated voltage AC (V)			115-230	115-230	115-230	115-230		

¹⁾ applies to undelayed contacts; the following applies to delayed contacts: PL d / category 3 / SILCL 2

²⁾ depends on the category of the basic device or the safety analysis

Glossary

	Emergency stop monitoring Floating contacts		Single-channel input circuit 1 NC contact or semiconductor
	Protective gate monitoring Floating contacts		Two-channel input circuit 2 NC contacts or semiconductors
	Position monitoring Magnetic switch		Two-channel input circuit, antivalent 1 NO / 1 NC contacts or semiconductors
	Safety light grid / -light curtain acc. to EN 61496 BWS Type 4 / Type 2		Cross monitoring between two input circuits
	Two-hand control according to EN 574		Synchro-check between two input circuits
	Controlled Stop according to EN 60204-1 stop category 1		Safe Start Start command is accepted only when the input circuits are closed
	Standstill and motion monitoring		Combi-reset Automatic start possible after voltage failure, based on the risk analysis
	Safety shut-off mat monitoring (4-wire principle, short-circuiting)		Automatic Reset after application of the voltage and/or after safety request
	Valve position monitoring		Manual Reset in the case of a rising edge at the reset input
	Contact expansion		Reset button monitoring in the case of a falling edge at the reset input
	Machine building industry		Contacts (NO/NC) safe semiconductor outputs
	Elevator systems in accord. with EN 81-1		Alarm contacts
	Combustion plants according to EN 50156-1		Safe changeover contacts
	Process technology according to IEC 61511		Safe semi conductor outputs
	Finger protection		Safe OFF-delay
	Hand protection		Safe ON-delay
	Arm protection		Monoflop for rapid tactile applications
	Access protection		Reset of time lapse for OFF-delayed contacts
	Personal protection		Expanded diagnostics