

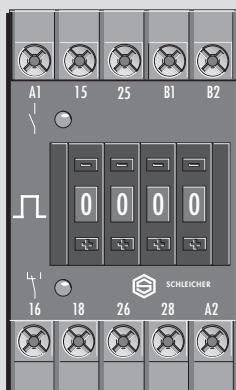


Electronic Preset Pulse Counter

SID 32 for single voltage

Function: preset pulse counter
Upward counting, digital pulse preselection
Contact equipment: 2 changeover

SID 32



Function

When the supply voltage is applied, the preset pulse counter is set to zero in about 30 ms. The arrival of a pulse (B1) causes the red LED to light up. When the number of pulses counted coincides with the number preset by the decade switches, the output relay goes into its active position and the green LED lights up. The counter is set to zero if a pulse signal is applied to B2.

1

Product Description

The electronic preset pulse counter SID 32 is available in the following pulse ranges:

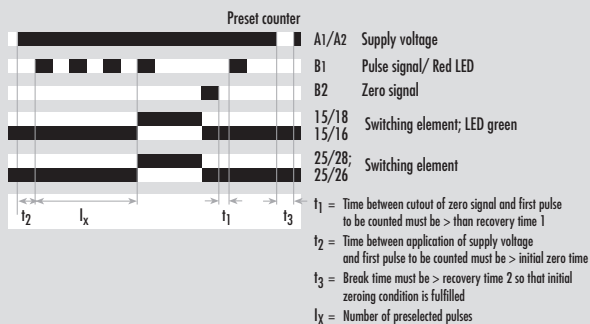
Pulse Range

1 to	99 pulses
1 to	999 pulses
1 to	9999 pulses

Function Diagram

FD 0039

SID 32



Type	Standard voltage	Special voltage	Price Code
SID 32 99 Imp.	24 V AC/DC 110 to 127 V AC 220 to 240 V AC 50 to 60 Hz	42 V AC/DC 48 V AC/DC 60 V AC/DC 50 to 60 Hz	S 2/63.1
SID 32 999 Imp.	24 V AC/DC 110 to 127 V AC 220 to 240 V AC 50 to 60 Hz	42 V AC/DC 48 V AC/DC 60 V AC/DC 50 to 60 Hz	S 2/63.2
SID 32 9999 Imp.	24 V AC/DC 110 to 127 V AC 220 to 240 V AC 50 to 60 Hz	42 V AC/DC 48 V AC/DC 60 V AC/DC 50 to 60 Hz	S 2/63.1

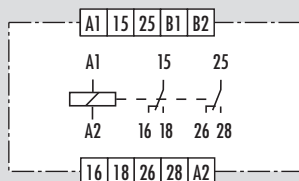
Accessories

Cover Z 29 (sealable transparent cover)
Price code for accessories (see page S 1/72).

Connection Diagram

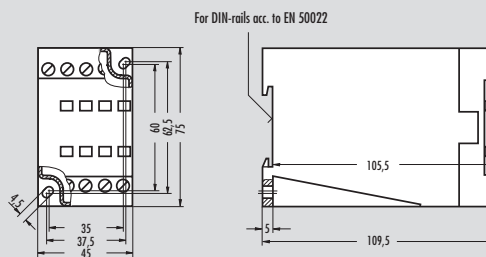
KS 0205/2

SID 32



Dimensions

S 3-18





TECHNICAL DATA

FUNCTION according to DIN VDE 0435 Part 1 110:04.89

Function display
Function diagram

POWER SUPPLY

Rated voltage U_N	V AC/DC
Rated voltage U_N	V AC
Rated consumption at 50 Hz and U_N (AC)	VA
Rated consumption at 50 Hz and U_N (AC)	W
Rated consumption DC	W
Starting current inrush	A/ms
Rated frequency	Hz
Operating voltage range	

Counting Circuit

Pulse setting/number of setting ranges	pulses
Available pulse ranges	pulses
	pulses
	pulses
Rated current of the control signal	mA
Recovery time 1/2	ms
Minimum switch-ON time	ms
Release value	% U_N
Permissible parallel load	
Internal rectifier	
Average of the error	
Dispersion	% \pm 10 ms
Influence of the energizing quantity or supply voltage	%/% ΔU_N
Influence of the ambient temperature	%/K

OUTPUT CIRCUIT

Contact equipment	
Contact material	
Switching voltage U_n	V AC/DC
Maximum continuous current I_n	A
Application category according to EN 60947-5-1:1991	
Permissible switching frequency	switching cycles/h
Mechanical service life	switching cycles
Response time	ms
Release time	ms
Initial time from zero	ms
Max. counting frequency	Hz
Min. pulse and pause length	ms
Min. zero time	ms

GENERAL DATA

Creepage and clearance distances between circuits according to DIN VDE 0110-1:04.97: rated surge voltage	kV
Over voltage category	
Contamination level	
Design voltage	V AC
Test voltage U_{eff} 50 Hz acc. to DIN VDE 0110-1, Table A.1	kV
Protection class housing/terminals acc. to DIN VDE 0470 Sec. 1:11.92	
Radiated noise	
Noise immunity	
Ambient temperature, working range	$^{\circ}$ C
Dimensions	
Connection diagram	
Weight	kg
Accessories	
Approvals	

GENERAL TECHNICAL SPECIFICATIONS

SID 32

Electronic preset pulse counter
for single voltage

1 LED green, 1 LED red
FD 0039

	24	42	48	60	110-127	220-240
	1,5	2,0	1,4	1,8	2,8	6,0
	1,5	2,0	1,4	1,8	1,1	1,6
	1,5	2,0	1,4	1,8		
	50 to 60					
	0,8 to 1,1 x U_N					

digital/1	
1 to 99	
1 to 999	
1 to 9999	
\leq 2	
ca. 20/ca. 50	
-	
-	
no	
yes	
-	
-	
-	
-	

2 changeover	
Ag-alloy; gold-plated	
230/230	
5	
AC-15 U_e 230 V AC, I_e 2 A	
DC-13 U_e 24 V DC, I_e 2 A	
6000	
30×10^6	
\leq 20	
\leq 20	
ca. 20	
12,5	
40	
20	

4 kV	
III	
3 outside, 2 inside	
250	
2,21	
IP 30/IP 20	
EN 50081-1:03.93, -2:03.94	
EN 50082-2:1995	
-20 to + 60	
S 3-18	
KS 0205/2	
0,18	
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