

Technical characteristics

► MINI CAM SWITCHES

Characteristics	Data
► Thermal current I_{th}	10 A
► Rated operating current I_e	
- in AC 21	10 A
- in AC 15	2.5 A
► Motor performance in AC-3	
- 3 x 230 V	1.8 kW
- 3 x 400 V	2.2 kW
► Motor performance in AC-23	
- 1 x 230 V	0.75 kW
- 1 x 400 V	1.1 kW
- 3 x 230 V	1.8 kW
- 3 x 400 V	3 kW
► Rated insulation voltage $U_i(V)$	500 V
► Rated operating current in DC-1 L/R < 1ms	
- 24 V DC	10 A
- 40 V DC	6 A
- 60 V DC	2.5 A
- 110 V DC	0.7 A
- 220 V DC	0.3 A
► Rated conditional short-circuit current	3 kA
► Max. fuse rating	10 A
► Degree of protection	IP 65 IP 2x at the rear of the panel
► Wire size (flexible and rigid)	2 x 1.5 mm ² max. 1 x 0.5 mm ² min.
► Operating temperature	- 20°C to + 50°C
► Standards	IEC 60947-1 IEC 60947-3 CSA 22.2 UL 508

► CAM SWITCHES

Characteristics	PR 12	PR 17	PR 21	PR 26	PR 40	PR 63	PR 125	PR 160
► For thermal current I_{th} $I_c(A)$	20	25	32	40	63	63	200	250
► Rated operating current for AC-21 A $I_e(A)$ (IEC 60 947-3) Switching of resistive loads including moderate overloads	16	20	25	32	50	63	160	200
► Rated operating current for AC-15 A $I_e(A)$ at 230V AC (IEC 60 947-3) Control of electromagnetic loads	6	8	10	12	-	-	-	-

Technical characteristics

► SELECTOR SWITCHES

Characteristics	PR 12	PR 17	PR 21	PR 26	PR 40	PR 63	PR 125	PR 160
► Performance in AC 23 (kW) (IEC 60 947-3) Switching of motors or other highly inductive loads								
- 3 x 230 V	4	5.5	7.5	11	15	18.5	-	-
- 3 x 400 V	7.5	11	11	11	22	25	-	-
- 3 x 500 V	5.5	11	11	11	25	25	-	-
- 3 x 690 V	4	10	10	11	18.5	22	-	-
► Performance in AC 3 (IEC 60 947-3) Control of squirrel-cage motors starting and switching off motors while running								
- In kW								
- 3 x 230 V	3	4	4	5.5	11	15	-	-
- 3 x 400 V	4	7.5	7.5	11	18.5	22	-	-
- 3 x 500 V	5.5	7.5	7.5	11	18.5	22	-	-
- 3 x 690 V	3	7.5	7.5	11	18.5	22	-	-
- In HP (for reference)								
- 3 x 230 V	4	5.5	5.5	7.5	15	20	-	-
- 3 x 400 V	5.5	10	10	15	25	30	-	-
- 3 x 500 V	7.5	10	10	15	25	30	-	-
- 3 x 690 V	4	10	10	15	25	30	-	-
► Rated insulation voltage Ui (V)								
- Max. rated voltage Ue(v) IEC	690	690	690	690	690	690	690	690
- CSA (Canada)	600	600	600	600	600	600	600	600
- UL (USA)	600	600	600	600	600	600	600	600
► Rated short time withstand current Icw (A) for 1 sec								
	300	400	420	800	1200	1500	2400	3000
► Maximum wire size (mm ²)								
- rigid	4	6/4 ⁽¹⁾	6/4 ⁽¹⁾	6	16	16	ø 8 screw for eyelet	
- flexible	2.5	4	4	6	16	16	ø 8 screw for eyelet	
(1): These values correspond to terminals with jumpers								
► Mechanical durability								
	1,250,000 operations, maximum rate 150 operations per hour							
► Operating temperature limits								
	- 20°C to + 70°C (beyond these limits consult us)							

► Rated operating current in DC-1 low inductive loads (< 1 ms)

Rated operating current Ie (A) 24 V DC 16 20 25 32 50 63 - -

Ie (A): rated current for breaking 1 contact. For higher voltages you must use a reduction coefficient K in the following graph

