Technical characteristics

MINI CAM SWITCHES

Characteristics	Data
Thermal current Ith	10 A
Rated operating current Ie	
- 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 Ui(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/EN 60947-1 IEC/EN 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 Ith Ic(A)	20	25	32	40	63	63	200	250
Rated operating current for AC-21 A Ie(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 Ie(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)**	690	690	690	690	690	690	690	690
- 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**	250	400	420	800	1000	1000	2000	2400
► **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

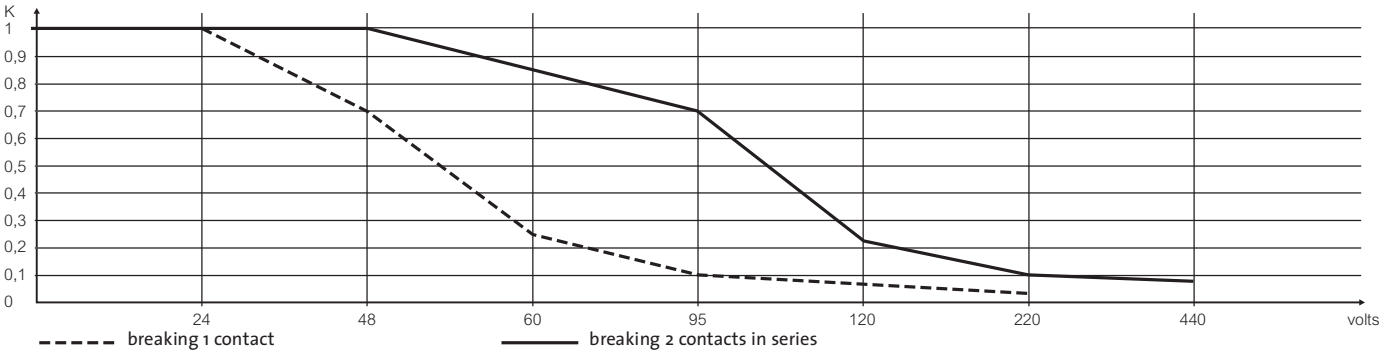
► **Mechanical durability** 1,250,000 operations, maximum rate 150 operations per hour

► **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	80	-	-

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



reduction coefficient K for rated operating current in DC-1 continuous current