

Rotary Cam Switches

Front mounting Two hole mounting 20 mm

Front mounting switches with two hole mounting 20 mm

- 10 A
- 1 up to 16 contacts
- IP66 (front)



- Control Switch
- ON-OFF Switch
- Multi-step Switch
- Instrument Switch
- Changeover Switch
- Motor Switch

Setup of order code number: Type - Switching programme - Mounting form

Ordering example:

2 pole Multi-Step Switch without OFF, 10 A, M-handle silver/black →

Type	Switching programme	Mtg. form
P110	61070	003M1
Order code no. P110-61070-003M1		

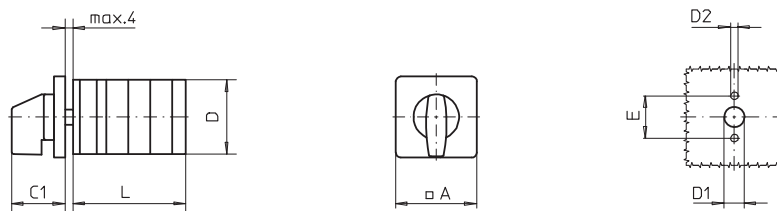
Type	Rated data (IEC 60947)			Degree of Protection Terminals	Terminal accessibility
	Operational current I_e AC-21A (A)	Operational power (at 380–440 V) AC-23A (kW) AC-3A (kW)			
P110	10	3	2.2	IP20	Terminals accessible from mounting direction

Switching programme	Stages	Contacts	Description
61191	1	1	ON-OFF Switch 90°, 1 pole
61192	1	2	ON-OFF Switch 90°, 2 pole
61001	1	1	ON-OFF Switch 60°, 1 pole
61002	1	2	ON-OFF Switch 60°, 2 pole
61351	1	1	ON-OFF Switch with spring return, 1 pole
61025	1	2	Changeover Switch with centre OFF 60°, 1 pole
61026	2	4	Changeover Switch with centre OFF 60°, 2 pole
61037	1	2	Changeover Switch without OFF 60°, 1 pole
61049	2	3	Multi-step Switch without OFF, 3 steps, 1 pole
61050	2	4	Multi-step Switch without OFF, 4 steps, 1 pole
61070	4	8	Multi-step Switch without OFF, 4 steps, 1 pole
61109	1	2	Gang Switch, 2 gangs, 1 pole
61111	3	6	Gang Switch, 2 gangs, 3 pole

Switching diagrams and further switching programmes from page 56.

Mounting form	Operator
003M1	M-handle silver/black

Dimensions in mm:



Type	A	C1	D	D1	D2	E	L with ... stages (max. 8)							
							1	2	3	4	5	6	7	8
P110	30	24	29	8	3.2	20	39	51	63	75	87	99	111	123

Rotary Cam Switches



Front mounting Two hole mounting 20 mm


Front mounting switches with two hole mounting 20 mm

- 10 A
- 1 up to 16 contacts
- IP66 (front)











- Main/Emergency-Off Switch
- Main Switch

Setup of order code number: Type - Switching programme - Mounting form Ordering example: 1 pole Main/Emergency-Off Switch 90°, 10 A, padlock device with M-handle yellow/red →	Type	Switching programme	Mtg. form
	P110	61191	033M4
	Order code no.	P110-61191-033M4	

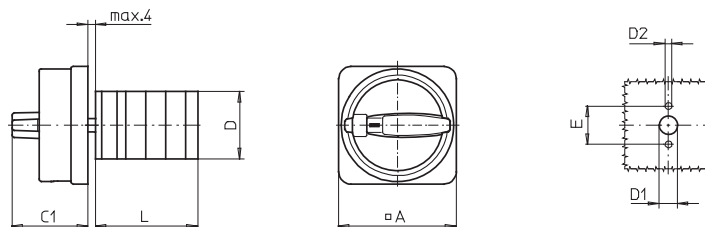
Type	Rated data (IEC 60947)			Degree of Protection Terminals	Terminal accessibility
	Operational current I_e AC-21A (A)	Operational power (at 380–440 V) AC-23A (kW) AC-3A (kW)			
P110	10	3	2.2	IP20	 Terminals accessible from mounting direction

Switching programme	Stages	Contacts	Description
61191	1	1	ON-OFF Switch 90°, 1 pole
61192	1	2	ON-OFF Switch 90°, 2 pole
61199	2	3	ON-OFF Switch 90°, 3 pole
61194	2	4	ON-OFF Switch 90°, 4 pole, 1 pole early make/late break
61906	3	6	ON-OFF Switch 90°, 6 pole
61919	4	8	ON-OFF Switch 90°, 8 pole, 2 pole early make/late break

Switching diagrams and further switching programmes from page 56.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
033M4	   	padlock device with M-handle yellow/red	033M1	   	padlock device with M-handle black

Dimensions in mm:



Type	A	C1	D	D1	D2	E	L with ... stages (max. 8)							
							1	2	3	4	5	6	7	8
P110	48	31	29	8	3.2	20	39	51	63	75	87	99	111	123

Rotary Cam Switches

Front mounting Single hole mounting Ø 16 mm/22.5 mm

Front mounting switches with single hole mounting Ø 16 mm/22.5 mm

- 10 A
- 1 up to 16 contacts
- IP66 (front)



- Control Switch
- ON-OFF Switch
- Multi-step Switch
- Instrument Switch
- Changeover Switch
- Motor Switch

Setup of order code number: Type - Switching programme - Mounting form

Ordering example:

4 pole Changeover Switch with centre OFF 60°, 10 A, M-handle silver/black →

Type	Switching programme	Mtg. form
P110	61028	219M1
Order code no.	P110-61028-219M1	

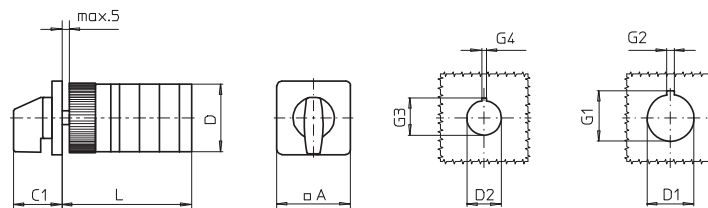
Type	Rated data (IEC 60947)			Degree of Protection Terminals	Terminal accessibility
	Operational current I _e AC-21A (A)	Operational power (at 380–440 V) AC-23A (kW) AC-3A (kW)			
P110	10	3	2.2	IP20	Terminals accessible from mounting direction

Switching programme	Stages	Contacts	Description
61191	1	1	ON-OFF Switch 90°, 1 pole
61192	1	2	ON-OFF Switch 90°, 2 pole
61001	1	1	ON-OFF Switch 60°, 1 pole
61002	1	2	ON-OFF Switch 60°, 2 pole
61351	1	1	ON-OFF Switch with spring return, 1 pole
61025	1	2	Changeover Switch with centre OFF 60°, 1 pole
61026	2	4	Changeover Switch with centre OFF 60°, 2 pole
61028	4	8	Changeover Switch with centre OFF 60°, 4 pole
61037	1	2	Changeover Switch without OFF 60°, 1 pole
61049	2	3	Multi-step Switch without OFF, 3 steps, 1 pole
61050	2	4	Multi-step Switch without OFF, 4 steps, 1 pole
61109	1	2	Gang Switch, 2 gangs, 1 pole
61111	3	6	Gang Switch, 2 gangs, 3 pole

Switching diagrams and further switching programmes from page 56.

Mounting form	Operator
219M1	M-handle silver/black

Dimensions in mm:



Type	A	C1	D	D1	D2	G1	G2	G3	G4	L with ... stages (max. 8)				each additional
										1	2	3	4	
P110	30	26	29	22.5	16.2	20	3.2	17.9	1.7	57	69	81	93	12

Rotary Cam Switches

Front mounting Single hole mounting \varnothing 16 mm/22.5 mm

Front mounting switches with single hole mounting \varnothing 16 mm/22.5 mm

- with front ring
- 10 A
- 1 up to 16 contacts
- IP66 (front)



- Control Switch
- ON-OFF Switch
- Multi-step Switch
- Instrument Switch
- Changeover Switch
- Motor Switch

Setup of order code number: Type - Switching programme - Mounting form Ordering example: 4 pole Changeover Switch with centre OFF 60°, 10 A, M-handle with front ring black/black →	Type	Switching programme	Mtg. form
	P110	61028	218M1
	Order code no. P110-61028-218M1		

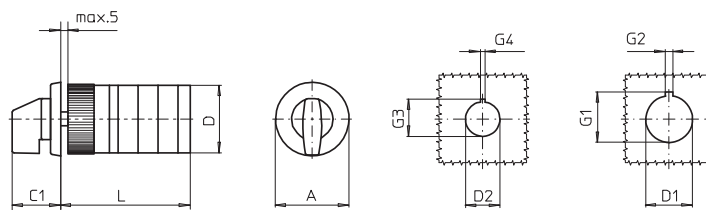
Type	Rated data (IEC 60947)			Degree of Protection Terminals	Terminal accessibility
	Operational current I_e AC-21A (A)	Operational power (at 380–440 V) AC-23A (kW) AC-3A (kW)			
P110	10	3	2.2	IP20	Terminals accessible from mounting direction

Switching programme	Stages	Contacts	Description
61191	1	1	ON-OFF Switch 90°, 1 pole
61192	1	2	ON-OFF Switch 90°, 2 pole
61001	1	1	ON-OFF Switch 60°, 1 pole
61002	1	2	ON-OFF Switch 60°, 2 pole
61351	1	1	ON-OFF Switch with spring return, 1 pole
61025	1	2	Changeover Switch with centre OFF 60°, 1 pole
61026	2	4	Changeover Switch with centre OFF 60°, 2 pole
61028	4	8	Changeover Switch with centre OFF 60°, 4 pole
61037	1	2	Changeover Switch without OFF 60°, 1 pole
61049	2	3	Multi-step Switch without OFF, 3 steps, 1 pole
61050	2	4	Multi-step Switch without OFF, 4 steps, 1 pole
61109	1	2	Gang Switch, 2 gangs, 1 pole
61111	3	6	Gang Switch, 2 gangs, 3 pole

Switching diagrams and further switching programmes from page 56.

Mounting form	Operator
218M1	M-handle with front ring black/black

Dimensions in mm:



Type	A	C1	D	D1	D2	G1	G2	G3	G4	L with ... stages (max. 8)				each additional
										1	2	3	4	
P110	30	26	29	22.5	16.2	24.2	3.2	17.9	1.7	57	69	81	93	12

Rotary Cam Switches

Front mounting Single hole mounting \varnothing 16 mm/22.5 mm

Front mounting switches with single hole mounting \varnothing 16 mm/22.5 mm

- key operated
- 10 A
- 1 up to 16 contacts
- IP40 (front)



- Control Switch
- ON-OFF Switch
- Multi-step Switch
- Instrument Switch
- Changeover Switch
- Motor Switch

Setup of order code number: Type - Switching programme - Mounting form Ordering example: 1 pole Multi-step Switch without OFF, 10 A, key operated, key removable at 9h →	Type	Switching programme	Mtg. form
	P110	61050	S001A
	Order code no.	P110-61050-S001A	

Type	Rated data (IEC 60947)			Degree of Protection Terminals	Terminal accessibility
	Operational current I_e AC-21A (A)	Operational power (at 380–440 V) AC-23A (kW) AC-3A (kW)			
P110	10	3	2.2	IP20	Terminals accessible from mounting direction

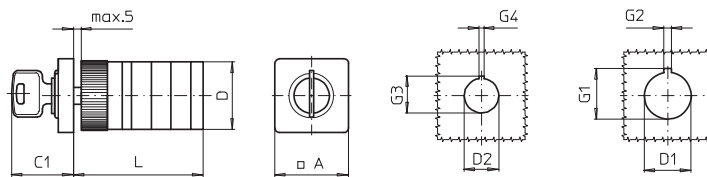
Switching programme	Stages	Contacts	Description
61191	1	1	ON-OFF Switch 90°, 1 pole
61192	1	2	ON-OFF Switch 90°, 2 pole
61001	1	1	ON-OFF Switch 60°, 1 pole
61002	1	2	ON-OFF Switch 60°, 2 pole
61351	1	1	ON-OFF Switch with spring return, 1 pole
61025	1	2	Changeover Switch with centre OFF 60°, 1 pole
61026	2	4	Changeover Switch with centre OFF 60°, 2 pole
61037	1	2	Changeover Switch without OFF 60°, 1 pole
61049	2	3	Multi-step Switch without OFF, 3 steps, 1 pole
61050	2	4	Multi-step Switch without OFF, 4 steps, 1 pole
61109	1	2	Gang Switch, 2 gangs, 1 pole
61111	3	6	Gang Switch, 2 gangs, 3 pole

Switching diagrams and further switching programmes from page 56.

Mounting form	Operator
S001.*	Key operated, silver/metal key Ronis cylinder lock L001, 2 keys (other lock types on request)

* The dot in the order code number must be replaced by the classification letter which identifies the key removable positions, see page 85.

Dimensions in mm:



Type	A	C1	D	D1	D2	G1	G2	G3	G4	L with ... stages (max. 8)				each additional
										1	2	3	4	
P110	30	26	29	22.5	16.2	24.2	3.2	17.9	1.7	57	69	81	93	12

Rotary Cam Switches

Front mounting Single hole mounting Ø 16 mm/22.5 mm

Front mounting switches with single hole mounting Ø 16 mm/22.5 mm

- key operated with front ring
- 10 A
- 1 up to 16 contacts
- IP40 (front)



- Control Switch
- ON-OFF Switch
- Multi-step Switch
- Instrument Switch
- Changeover Switch
- Motor Switch

Setup of order code number: Type - Switching programme - Mounting form

Ordering example:

3 pole Changeover Switch without OFF, 10 A, front ring, key operated, key removable at 11h/01h/05h/07h →

Type	Switching programme	Mtg. form
P110	61039	R001A
Order code no.	P110-61039-R001O	

Type	Rated data (IEC 60947)			Degree of Protection Terminals	Terminal accessibility
	Operational current I _e AC-21A (A)	Operational power (at 380–440 V) AC-23A (kW) AC-3A (kW)			
P110	10	3	2.2	IP20	Terminals accessible from mounting direction

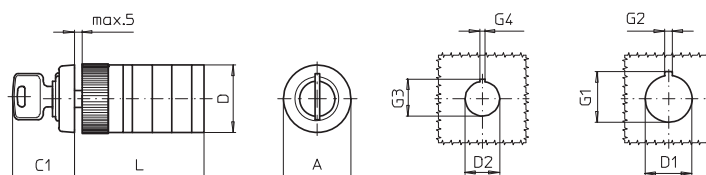
Switching programme	Stages	Contacts	Description
61191	1	1	ON-OFF Switch 90°, 1 pole
61192	1	2	ON-OFF Switch 90°, 2 pole
61001	1	1	ON-OFF Switch 60°, 1 pole
61002	1	2	ON-OFF Switch 60°, 2 pole
61351	1	1	ON-OFF Switch with spring return, 1 pole
61025	1	2	Changeover Switch with centre OFF 60°, 1 pole
61026	2	4	Changeover Switch with centre OFF 60°, 2 pole
61037	1	2	Changeover Switch without OFF 60°, 1 pole
61039	3	6	Changeover Switch without OFF 60°, 3 pole
61049	2	3	Multi-step Switch without OFF, 3 steps, 1 pole
61050	2	4	Multi-step Switch without OFF, 4 steps, 1 pole
61109	1	2	Gang Switch, 2 gangs, 1 pole
61111	3	6	Gang Switch, 2 gangs, 3 pole

Switching diagrams and further switching programmes from page 56.

Mounting form	Operator
R001. *	key operated, with front ring black/metal key Ronis cylinder lock L001, 2 keys (other lock types on request)

* The dot in the order code number must be replaced by the classification letter which identifies the key removable positions, see page 85.

Dimensions in mm:



Type	A	C1	D	D1	D2	G1	G2	G3	G4	L with ... stages (max. 8)				each additional
										1	2	3	4	
P110	30	26	29	22.5	16.2	24.2	3.2	17.9	1.7	57	69	81	93	12