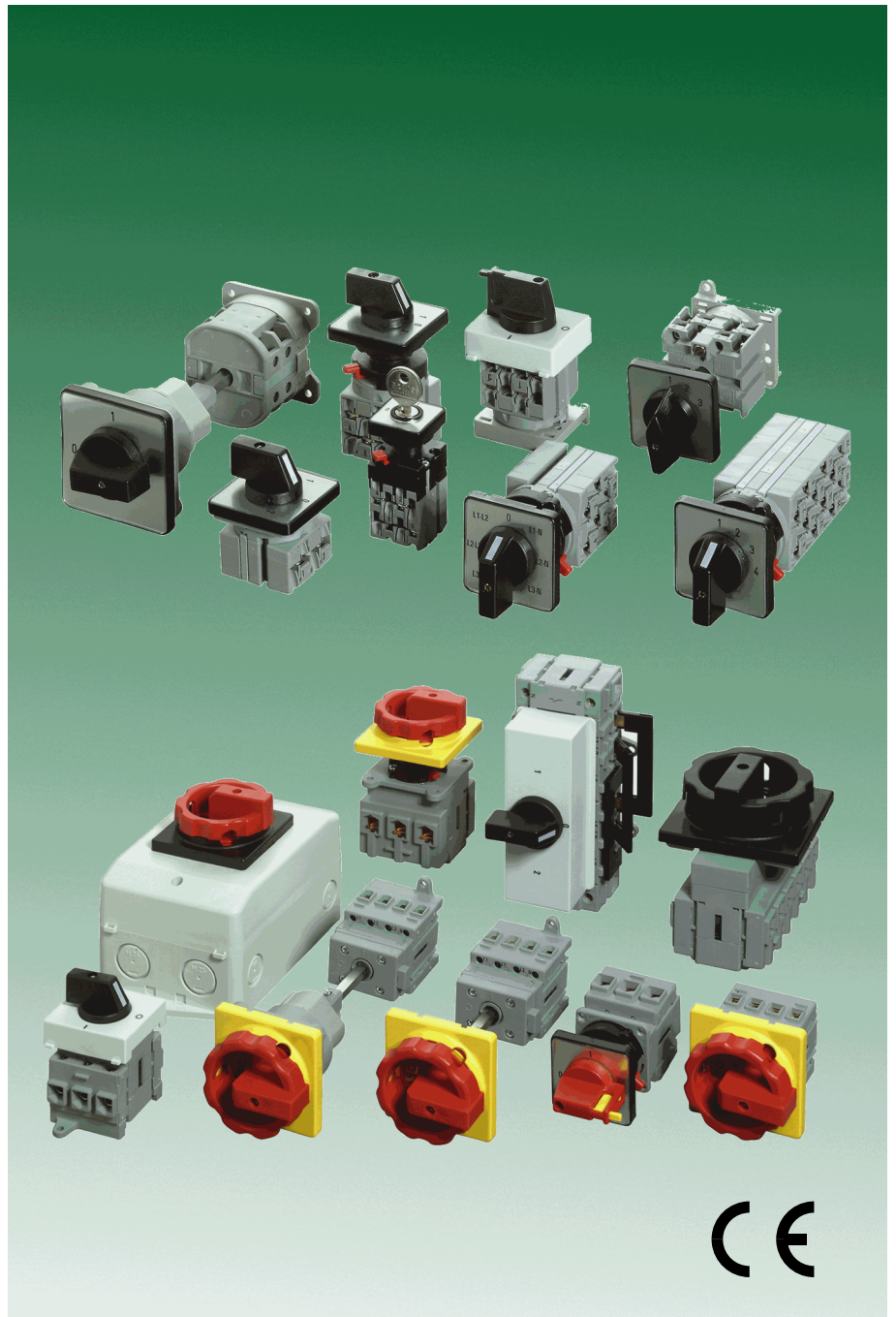


## Rotary Cam Switches Load Interrupter Switches Load Transfer Switches





# General

## Rotary Cam Switches Load Interrupter Switches Load Transfer Switches

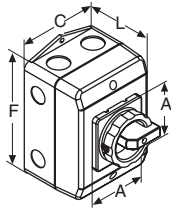
### Application

For standard use in installations and equipment  
**For mounting in** switchboards or housings  
**For use with** AC voltage or AC current in single-phase or 3-phase systems

### General Data

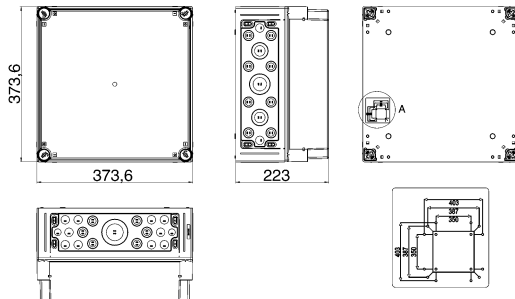
**Terminals** undetachable connection screws  
**Enclosure code** model **ZM**: IP 65 installed in housing other: IP20 rear finger protection  
**Accessories** on request

### Repair switches housing



Type	A	C	F	L	Cutout
PM-D1/Z33	66	100	140	81	4x M25, 4x M20
PM-D2/Z33	66	146	176	104	4x M32/40, 4x M20
PM-D3/Z33	90	302	212	137	4x M50/63, 6x M20

### K4-Z20



Dimensions in mm

### Ordering Information

D	Rotary cam switches
<b>Switch size:</b>	
00	10 A / 2.2 kW
0	25 A / 5.5 kW
1-32	45 A / 11.0 kW
<b>Model/number of poles:</b>	
A1	On-off switch 90°, 1-pole
A3	On-off switch 90°, 3-pole
A4	On-off switch 90°, 4-pole
WS1	Two-way switch 60°, 1-pole
U1	Transfer switch 60°, 1-pole
U2	Transfer switch 60°, 2-pole
URR1	Transfer switch with two-side retraction -30°/30°, 1-pole
ST31	Step switch with 3 positions, 1-pole
ST031	Step switch with 3 positions + zero position 0°/30°/60°/90°, 1-pole
ST031/	Step switch with 3 positions + zero position -30°/0°/30°/60°, 1-pole
F375	-30°/0°/30°/60°, 1-pole
P12	Pole number switch, 1-pole
BC9	Binary encoder switch with 9 positions, 1-pole
BC09	Binary encoder switch with 9 positions + zero, 1-pole
SEA1	Momentary-contact twist switch Start/Stop, 1-pole
<b>Type of construction:</b>	
E	4 holes mounting
ZM	Central hole mounting with enclosure code IP65
T	DIN rail mounting

### Ordering example:

**D0 A4 E**

Rotary cam switch, 25 A / 5.5 kW, on-off switch 90°, 4-pole, 4 holes mounting

LT	Load interrupter switches
NLT	Emergency-OFF switches, colour: red / yellow
HLT	Main switches, colour: black / black
ALT	For distribution board
RLT	Repair switches (enclosed)
ULT	Load transfer switches
<b>Switch size:</b>	
16	16 A / 5.5 kW
25A	25 A / 7.5 kW
32	32 A / 9.5 kW
40	40 A / 11.0 kW
63	63 A / 18.5 kW
80	80 A / 22.0 kW
100	100 A / 30.0 kW
125	125 A / 37.0 kW
180	180 A / 75.0 kW
250	250 A / 110.0 kW
<b>Model/number of poles:</b>	
3	3-pole
4	4-pole
6	6-pole
<b>Type of construction:</b>	
E	4 holes mounting
ZM	Central hole mounting with enclosure code IP65
V	Bottom mounting
T	DIN rail mounting
PM	Repair switch, plastic enclosure

### Ordering example:

**LT 16 3 T**

Load interrupter switch, 16 A / 5.5 kW, 3-pole, DIN rail mounting



# Short Form Data

## Rotary Cam Switches

### Electrical Data

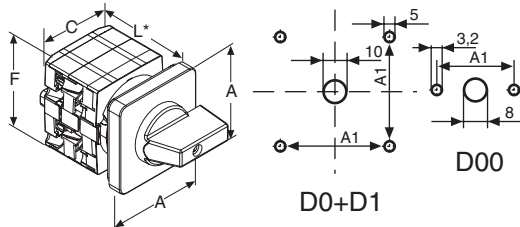
Switch size	Therm. rated current $I_{th}$ [A]	Rated voltage U [V]	Rated power AC3 [kW]	Conductor size [mm <sup>2</sup> ]
D00	10	500	2.2	1.5
D0	25	690	5.5	4
D1-32	45	690	11.0	6

Rated power with 3x 400 V

### Dimensions

#### Type E

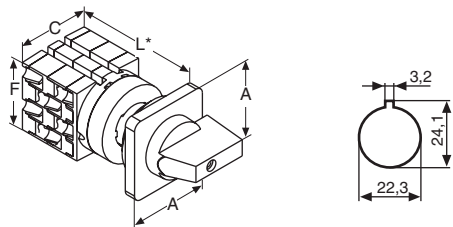
4 holes mounting



Type	A	A1	C	F	L1	L2	L3	L4	L5	L6	L7	L8
D00-6	30	20	30	28	33	45	57	69	81	93	105	117
D0-8	48	36	40	39	34	46	58	70	82	94	106	118
D1-32	66	48	54	56	40	53	66	79	92	105	118	131

#### Type ZM

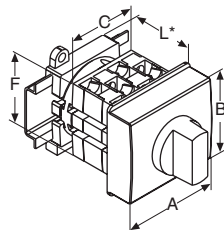
Central hole mounting



Type	A	C	F	L1	L2	L3	L4	L5	L6	L7	L8
D00-6	30	30	28	46	58	70	82	94	106	118	130
D0-8	48	40	39	58	70	82	94	106	118	130	142
D1-32	66	54	56	60	73	86	99	112	125	138	151

#### Type T

DIN rail mounting



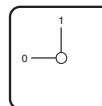
Type	A	B	C	F	L1	L2	L3
D0-8	52,5	45	40	39	45	45	45

Dimensions in mm

### Model/N<sup>o</sup>. of Poles/Connection

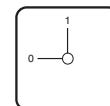
#### Model A1

On-off switch 90°, 1-pole



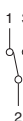
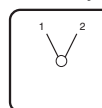
#### Model A3

On-off switch 90°, 3-pole



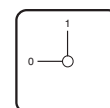
#### Model WS1

Two-way switch 60°, 1-pole



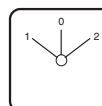
#### Model A4

On-off switch 90°, 4-pole



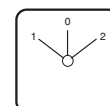
#### Model U1

Transfer switch 60°, 1-pole



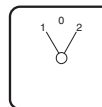
#### Model U2

Transfer switch 60°, 2-pole



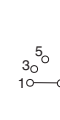
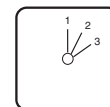
#### Model URR1

Transfer switch with two-side retraction, -30°/30°, 1-pole



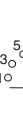
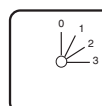
#### Model ST31

Step switch with 3 positions, 1-pole



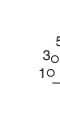
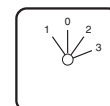
#### Model ST031

Step switch with 3 positions + zero position, 1-pole  
0°/30°/60°/90°



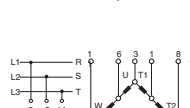
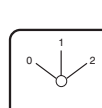
#### Model ST031/F375

Step switch with 3 positions + zero position, 1-pole  
-30°/0°/30°/60°



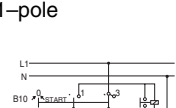
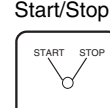
#### Model P12

Pole number switch, 1-pole



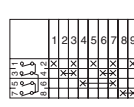
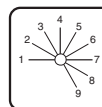
#### Model SEA1

Momentary-contact twist switch  
Start/Stop, 1-pole



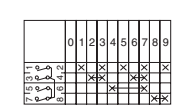
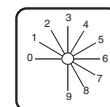
#### Model BC9

Binary encoder switch with 9 positions, 1-pole



#### Model BC09

Binary encoder switch with 9 positions + zero, 1-pole





# Short Form Data

## Load Interrupter Switches Load Transfer Switches

### Electrical Data

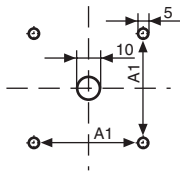
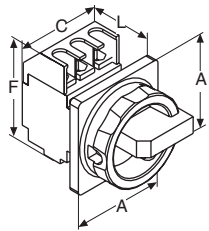
Switch size	Therm. rated current $I_{th}$ [A]	Rated power AC23 [kW]	Rated power AC3 [kW]	Conductor size [mm <sup>2</sup> ]
LT16	16	7.5	5.5	6
LT25A	25	9.5	7.5	6
LT32	32	11.5	9.5	16
LT40	40	20.0	11.0	16
LT63	63	22.0	18.5	35
LT80	80	30.0	22.0	35
LT100	100	37.0	30.0	50
LT125	125	45.0	37.0	50
LT180	180	90.0	75.0	185

Rated voltage 690 V

Rated power with 3x 400 V

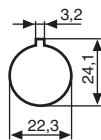
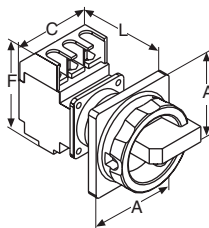
### Dimensions

Type E 4 holes mounting



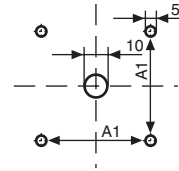
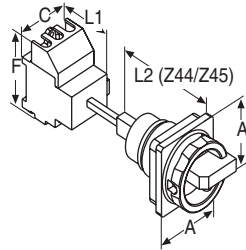
Type	A	A1	C	C	C	F	L
			3-pole	4-pole	6-pole		
LT16, LT25A	66	48	48	48	—	62	50
LT32, LT40	66	48	45	61	91	72	50
ULT25, ULT40	64	48	91	122	—	72	64
LT63, LT80	66	48	60	80	121	83	59
ULT63, ULT80	64	48	121	161	—	83	74
LT100, LT125	66	48	70	93	141	96	75
ULT100, ULT125	64	48	141	187	—	96	90
LT180, LT250	94	68	112	150	224	169	93
ULT180, ULT250	94	68	224	300	—	169	110

Type ZM Central hole mounting



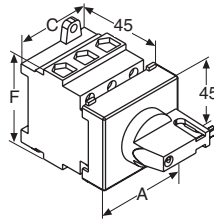
Type	A	C	C	F	L
		3-pole	4-pole		
LT16, LT25A	66	48	48	62	73
LT32, LT40	66	45	61	72	73
LT63, LT80	66	60	80	83	84

Type V Bottom mounting



Type	A	A1	C	C	C	F	L1	L2
			3-pole	4-pole	6-pole			
LT16, LT25A	66	48	48	48	—	62	50	80
LT32, LT40	66	48	45	61	91	72	50	80
ULT25, ULT40	64	48	91	122	—	72	64	80
LT63, LT80	66	48	60	80	121	83	59	80
ULT63, ULT80	64	48	121	161	—	83	74	80
LT100, LT125	66	48	70	93	141	96	75	80
ULT100, ULT125	64	48	141	187	—	96	90	80
LT180, LT250	94	68	112	150	224	169	93	47
ULT180, ULT250	94	68	224	300	—	148	110	47

Type T DIN rail mounting



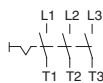
Type	A	A	A	C	C	C	F
	3-pole	4-pole	6-pole	3-pole	4-pole	6-pole	
LT16, LT25A	52,5	52,5	52,5	48	48	—	50
LT32, LT40	52,5	65	98	45	61	91	55
ULT25, ULT40	98	98	—	91	122	—	55
LT63, LT80	63	83	125	60	80	121	64
ULT63, ULT80	125	125	—	121	161	—	64
LT100, LT125	70	93	140	70	93	141	83
ULT100, ULT125	140	140	—	141	187	—	83

Dimensions in mm

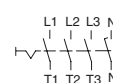
### Model/N<sup>o</sup>. of Poles/Connection

#### Load interrupter switches

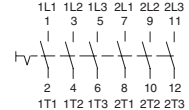
Model 3 3-pole



Model 4 4-pole

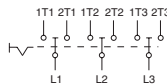


Model 6 6-pole

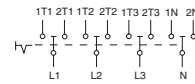


#### Load transfer switches

Model 3 3-pole



Model 4 4-pole



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— specifications subject to change without notice; date of issue 01/17 —

