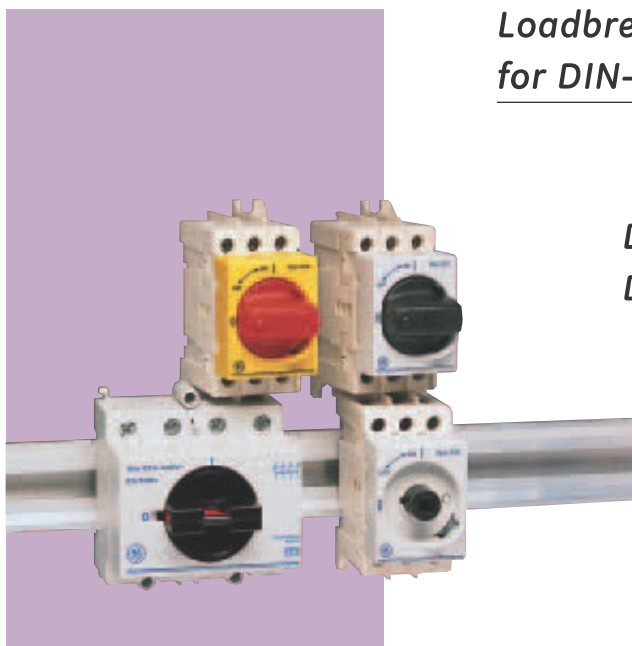




Loadbreak disconnectors for DIN-rail, wall and door mounting

Dilos 00 - 16A up to 40A

Dilos 0 - 32A up to 63A



Applications



Approvals / Marking



Dilos 00

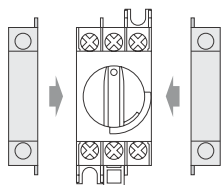


Dilos 0



Add-on devices

Dilos 00



Performance

DIN-rail type

Disconnect function

Complete range of add-on devices

Double knife contacts for Dilos 0

Number of poles 2P - 3P - 4P

Mounting:

- Dilos 00 DIN-rail / panel / wall
- Dilos 0 DIN-rail / wall

Box terminals

Padlockable

Standards

IEC 60947-1 and IEC 60947-3, DIN VDE 0660 Teil 107,

BS EN 60947-3, CEI 17-11 (Fasc. 1039), EN 60947-3,

NBN EN 60947-3, NF C 63-130

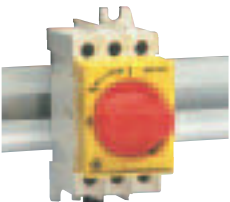
Safety disconnector (red/yellow) according to DIN VDE 0113 Teil 1

Technical data

	Dilos 00 16A-40A	Dilos 0 32A-63A
Rated thermal current	690V	415V
Rated operational voltage	6kA	10kA
Peak short withstand circuit current	1.5 - 16 mm ²	2.5 - 25 mm ²
Terminal capacity (Cu)		

Technical data ● pg. C.2
Installation facilities ● pg. D.2
Dimensions ● pg. E.2

Dilos 00 - DIN-rail disconnectors - 2 modules

Standard grey		Description	In (A)	Cat. no.	Ref. no.	Pack.
	3P	With padlockable rotary handle	16	D/061301-201	730984	1
			25	D/061302-201	730986	1
			32	D/061303-201	730988	1
			40	D/061304-201	730990	1
Safety						
	3P	Red/yellow, according to DIN VDE 0113 Teil 1 With padlockable rotary handle	16	D/061301-203	731404	1
			25	D/061302-203	731407	1
			32	D/061303-203	731410	1
			40	D/061304-203	731413	1

Accessories

	Switched neutral module To be added on one side	D/061903-104 731004 1 For 16A D/061903-204 731006 1 For 25A D/061903-304 731012 1 For 32A D/061903-404 731014 1 For 40A	Handles for cover or hinged door IP65, with door interlock D/061900-601 730996 1 Black padlockable rotary handle Extension shaft of 305 mm D/061900-603 730997 1 Red/yellow padlockable rotary handle Extension shaft of 305 mm	
	Fixed neutral module To be added on one side	D/061903-205 731007 1 For 16A-40A	Handle for cover or hinged door IP54, without door interlock D/061900-501 730992 1 Black rotary handle Extension shaft of 305 mm Not to be used as main switch	
	Earth module To be added on one side	D/061903-206 731008 1 For 16A-40A	Terminal covers D/061902-220 731002 1 3P D/061902-221 731003 1 1P	
	Auxiliary contact To be added on one side	D/061901-202 731000 1 1 NO/NC Ith = 10A at 230V		

Dilos 00 - Disconnectors for door mounting - 2 modules

	Standard grey 3P	Description	In (A)	Cat. no.	Ref. no.	Pack.
			16	D/061301-251	730985	1
			25	D/061302-251	730987	1
			32	D/061303-251	730989	1
			40	D/061304-251	730991	1

Accessories

	Switched neutral module		
	To be added on one side		
	D/061903-154	731005	1
	For 16A		
	D/061903-254	731009	1
	For 25A		
	D/061903-354	731013	1
For 32A			
D/061903-454	731015	1	
For 40A			

	Fixed neutral module		
	To be added on one side		
	D/061903-255	731010	1
	For 16A-40A		

	Earth module		
	To be added on one side		
	D/061903-256	731011	1
For 16A-40A			

	Auxiliary contacts		
	To be added on one side		
	D/061901-252	731001	1
1 NO/NC			
Ith = 10A at 230V			

Handles IP65		
D/061900-651	730998	1
Black padlockable rotary handle		
D/061900-653	730999	1
Red/yellow padlockable rotary handle		

Terminal covers		
For DIN-rail and door mounting		
D/061902-220	731002	1
3P		
D/061902-221	731003	1
1P		



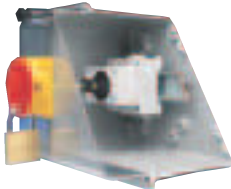
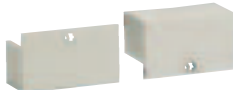
Rear view Dilos 00 + switch neutral module (4th pole)



Dilos 0 - DIN-rail disconnectors - 4 modules

Standard grey With padlockable rotary handle		Description	In (A)	Cat. no.	Ref. no.	Pack.
	2P		32	V/333-013732	652017	1
			40	V/333-013742	652021	1
			63	V/333-013762	652025	1
	3P		32	V/333-013733	652018	1
			40	V/333-013743	652022	1
			63	V/333-013763	652026	1
	4P		32	V/333-013734	652019	1
			40	V/333-013744	652023	1
			63	V/333-013764	652027	1
	3P+NF	Fixed neutral	32	V/333-013736	652020	1
			40	V/333-013746	652024	1
			63	V/333-013766	652028	1

Accessories

	Handles for cover or hinged door			Terminal covers			
	IP65			V/333-013760 652016 1			
	V/333-013721 652062 1			Sealable			
	Standard rotary handle			Set of 2 pieces			
	Extension shaft of 238 mm						
	V/333-013723 652063 1						
	Red/yellow padlockable rotary handle						
	(max. three padlocks Ø 9 mm)						
	Extension shaft of 238 mm and frontplate						

Dilos 0

A

B

C

D

E

X



Dilos - Loadbreak disconnectors for DIN-rail mounting

			Dilos 00	Dilos 00	Dilos 00	Dilos 00	Dilos 0	
Conventional enclosed thermal current $I_{the} = I_{th}$			(A)	16	25	32	40	32
Number of poles				3	3	3	3	2/3/4
Frequency			(Hz)	50/60	50/60	50/60	50/60	50/60
Rated thermal current at	40°C	(A)	16	25	32	40	32	
	50°C	(A)	16	25	32	40	32	
	60°C	(A)	16	25	32	40	32	
Power loss per pole			(W)	0.12	0.35	0.6	1	0.6
Terminal capacity (Cu)	minimum	(mm ²)	1.5	1.5	1.5	1.5	2.5	
	maximum	(mm ²)	16	16	16	16	25	
Maximum torque on terminals			(Nm)	2.2	2.2	2.2	2.2	-
Rated operational voltage U_e			(V)	690	690	690	690	415
Rated insulation voltage U_i			(V)	690	690	690	690	415
Rated impulse withstand voltage (2000m) U_{imp}			(kV)	8	8	8	8	8
Impulse test voltage at sea level			(kV)	12.3	12.3	12.3	12.3	12.3
Rated operational current I_e AC21A	$U_e=400V$	(A)	16	25	32	40	32	
	$U_e=415V$	(A)	16	25	32	40	32	
	$U_e=500V$	(A)	16	25	32	40	-	
	$U_e=690V$	(A)	16	25	32	40	-	
Rated operational current I_e AC22A	$U_e=400V$	(A)	16	25	32	40	32	
	$U_e=415V$	(A)	16	25	32	40	32	
	$U_e=500V$	(A)	16	25	32	40	-	
	$U_e=690V$	(A)	16	25	32	40	-	
Rated operational current I_e AC23A	$U_e=400V$	(A)	16	25	32	40	32	
	$U_e=415V$	(A)	16	25	32	40	32	
	$U_e=500V$	(A)	16	25	32	40	-	
	$U_e=690V$	(A)	16	25	25	25	-	
Maximum rated operational power at rated duty AC23	$U_e=400V$	(kW)	7.5	7.5	11	11	17	
	$U_e=415V$	(kW)	7.5	7.5	11	11	17	
	$U_e=500V$	(kW)	7.5	7.5	11	15	-	
	$U_e=690V$	(kW)	11	11	11	18.5	-	
Rated making and breaking capacity at 415V AC23A	making 10 x I_e	(A)	160	250	320	400	320	
	breaking 8 x I_e	(A)	128	200	256	320	256	
Rated short time withstand current I_{cw}	1 s.	(kA rms)	1	1	1.2	1.2	2.5	
	0.25 s.	(kA rms)	-	-	-	-	-	
Rated short-circuit making capacity I_{cm}	$U_e=400V$	(kA peak)	4.5	4.5	4.5	4.5	6	
	$U_e=415V$	(kA peak)	4.5	4.5	4.5	4.5	6	
	$U_e=500V$	(kA peak)	3	3	3	3	-	
	$U_e=690V$	(kA peak)	3	3	3	3	-	
Rated conditional short-circuit current with back-up protection featuring the same current rating as the switch (kA rms)	400V	(kA)	50	50	50	50	15	
	415V	(kA)	50	50	50	50	15	
	500V	(kA)	50	50	50	50	-	
	690V	(kA)	50	50	50	50	-	
Rated capacity power at 400V			(kVAR)	-	-	-	-	-
Rated operational current DC23A	2P in series 110V	(A)	-	25	32	40	-	
	2P in series 220V	(A)	-	25	-	-	-	
	4P in series 220V	(A)	-	-	-	-	-	
Operating torque			(Nm)	0.5	0.5	0.5	0.5	2.5
Force			(N)	-	-	-	-	50
Durability (number of operational cycles)	electrical		3000	3000	3000	3000	1000	
	mechanical (min)		40000	40000	40000	40000	10000	
UL listed following UL file E143291 (acc. UL508)								
UL 508 General Use 480V		In	(A)	-	-	-	-	-
UL 508 Manual motor controller 480V		FLA	(A)	-	-	-	-	-
		Power	(HP)	-	-	-	-	-
UL short-circuit at 480V	K5fu	(kA)	-	-	-	-	-	
	UL J-fuses	(kA)	-	-	-	-	-	
Weight	2P	(kg)	0.125	0.125	0.125	0.125	0.27	
	3P	(kg)	0.125	0.125	0.125	0.125	0.29	
	4P	(kg)	0.170	0.170	0.170	0.170	0.33	

Dilos 0	Dilos 0	Dilos 1	Dilos 1	Dilos 1	Dilos 1	Dilos 1	Dilos 2	Dilos 2
40	63	40	63	80	100	125	160	200
2/3/4	2/3/4	2/3/4	2/3/4	2/3/4	2/3/4	2/3/4	2/3/4	2/3/4
50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60
40	63	40	63	80	100	125	160	200
40	63	40	63	80	100	125	160	200
40	63	40	63	80	100	125	160	200
1	1.6	0.48	1.2	1.84	2.9	4.5	6.5	10
2.5	2.5	6	6	6	6	6	Cu-rail	Cu-rail
25	25	50	50	50	50	50	20x6	20x6
-	-	12	12	12	12	12	12	12
415	415	690	690	690	690	690	690	690
415	415	690	690	690	690	690	690	690
8	8	8	8	8	8	8	8	8
12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
40	63	40	63	80	100	125	160	200
40	63	40	63	80	100	125	160	200
-	-	40	63	80	100	100	160	200
-	-	40	63	80	100	100	160	200
40	63	40	63	80	100	125	160	200
40	63	40	63	80	100	125	160	200
-	-	40	63	80	100	100	160	200
-	-	40	50	63	63	63	160	200
40	63	40	50	80	80	80	125	160
40	63	40	50	80	80	80	125	160
-	-	25	32	50	50	50	125	125
-	-	18	25	40	40	40	63	80
21	21	21	27	44	44	44	69	88
21	21	22	28	46	46	46	72	92
-	-	22	22	35	35	35	86	86
-	-	22	22	36	36	36	60	76
400	630	400	630	800	1000	1250	1600	2000
320	504	320	504	640	800	1000	1280	1600
2.5	2.5	3	3	3	3	3	3	3
-	-	6	6	6	6	6	6	6
6	6	6.8	6.8	6.8	6.8	6.8	10	10
6	6	6.8	6.8	6.8	6.8	6.8	10	10
-	-	4.5	4.5	4.5	4.5	4.5	6.7	6.7
-	-	4.5	4.5	4.5	4.5	4.5	6.7	6.7
15	15	50	50	50	50	50	50	50
15	15	50	50	50	50	50	50	50
-	-	50	50	50	50	50	50	30
-	-	32	32	32	32	32	20	18
-	-	20	30	40	50	60	77	97
-	-	40	63	80	100	100	160	160
-	-	40	63	-	-	-	100	100
-	-	-	-	80	100	125	160	160
2.5	2.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4
50	50	45	45	45	45	45	45	45
1000	1000	1500	1500	1500	1500	1500	1000	1000
10000	10000	20000	20000	20000	20000	20000	10000	10000
-	-	-	60	-	-	80	100	125
-	-	-	21	-	-	27	34	40
-	-	-	15	-	-	20	25	30
-	-	-	40	-	-	40	40	40
-	-	-	50	-	-	50	50	50
0.27	0.27	0.48	0.48	0.48	0.48	0.48	0.62	0.62
0.29	0.29	0.54	0.54	0.54	0.54	0.54	0.73	0.73
0.33	0.33	0.59	0.59	0.59	0.59	0.59	0.77	0.77

Dilos

A

B

C

D

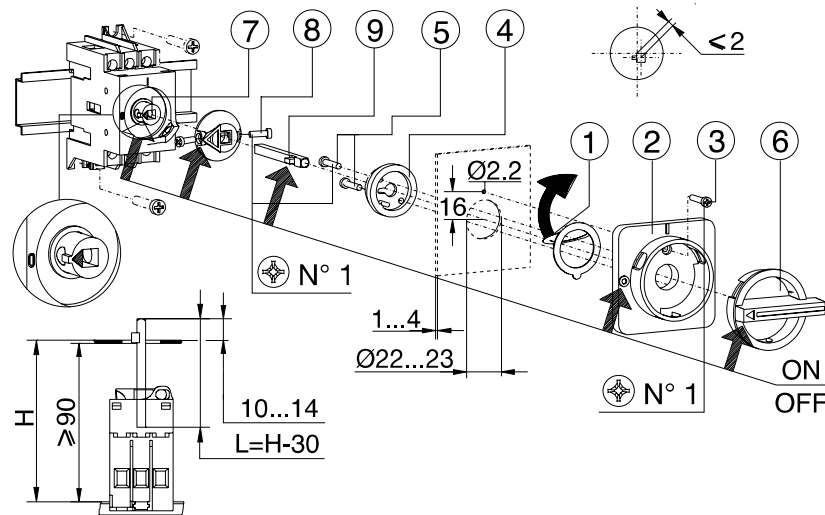
E

X

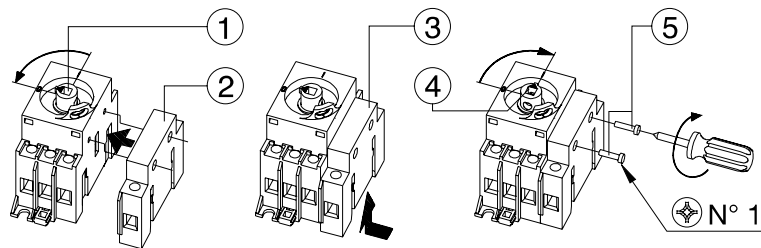


Dilos 00 for DIN-rail mounting

Rotary handle for door mounting and padlockable - IP65

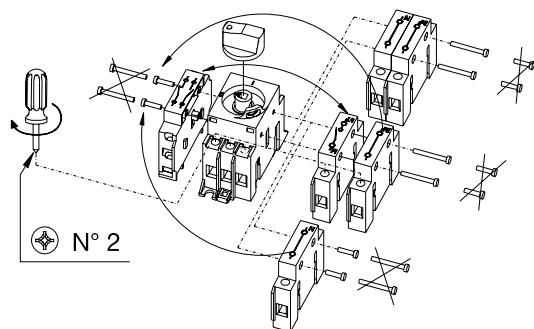


Mounting of modules on the side of the switch



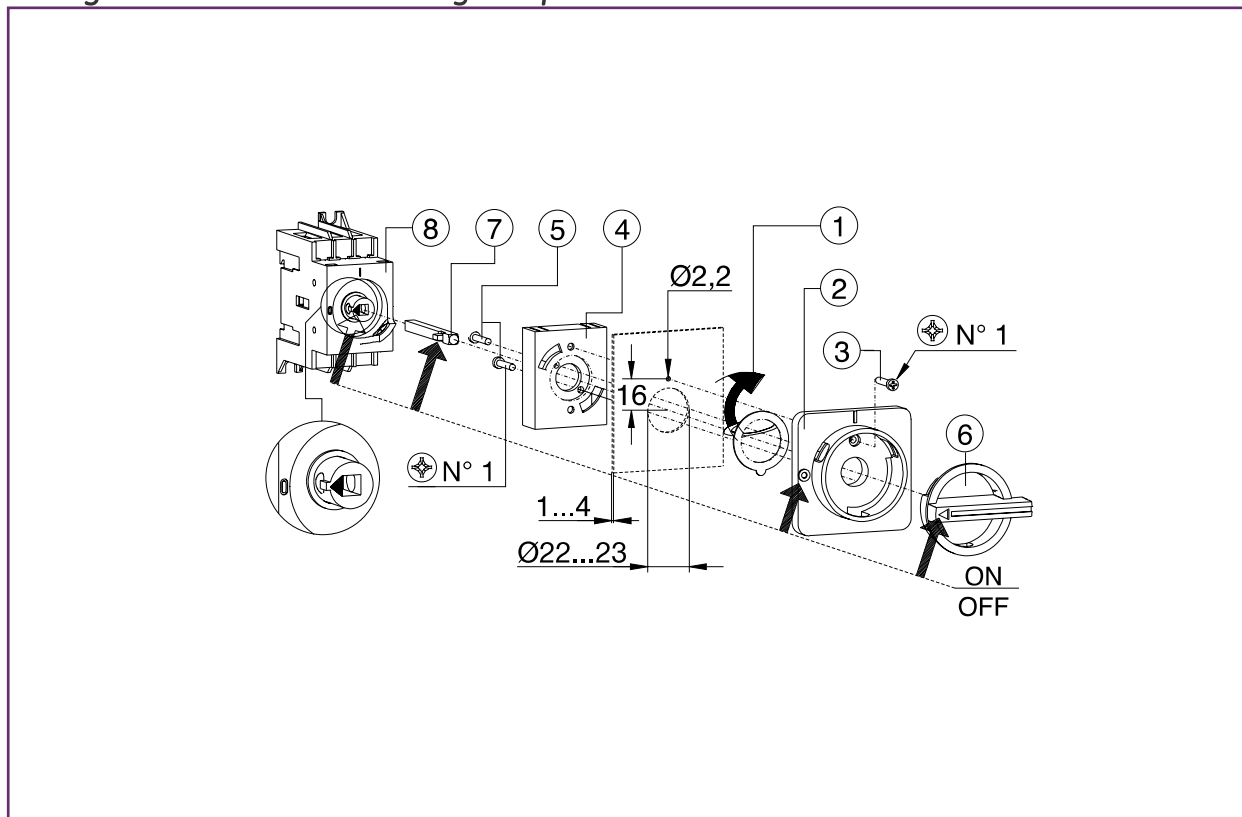
Left mounting: same steps

Mounting of additional poles and auxiliary contacts

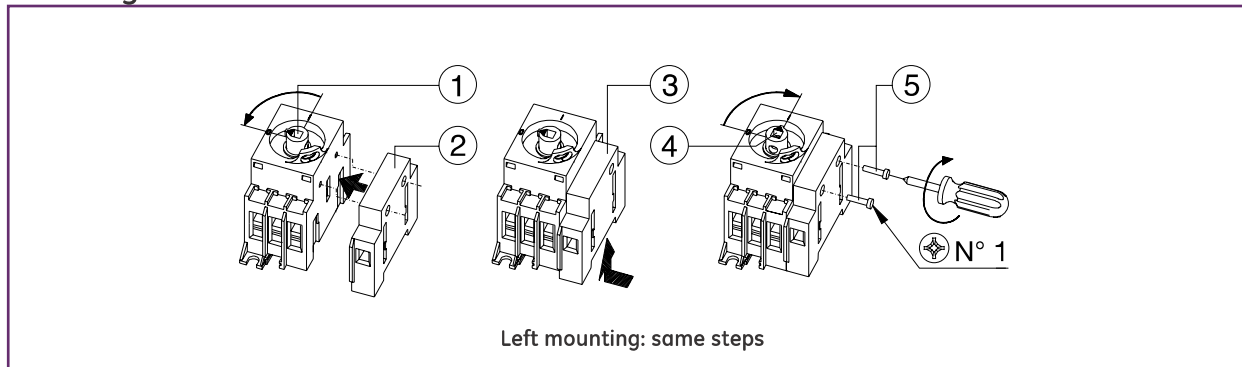


Dilos 00 for door mounting

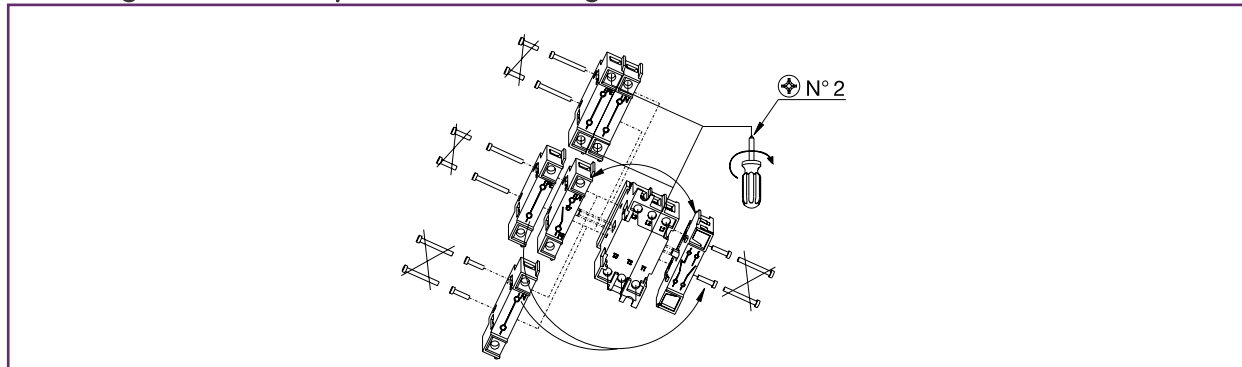
Rotary handle for door mounting and padlockable



Mounting of modules on the side of the switch



Mounting of additional poles and auxiliary contacts



A

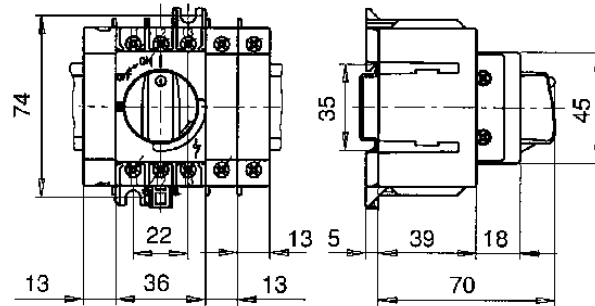
B

D

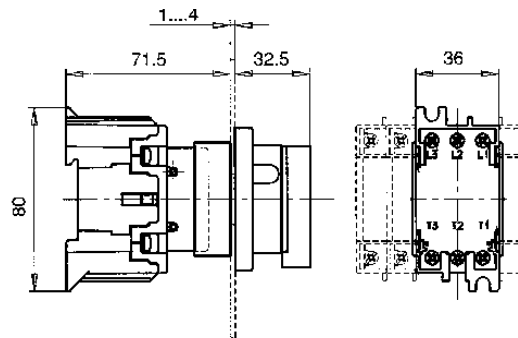
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Dimensions

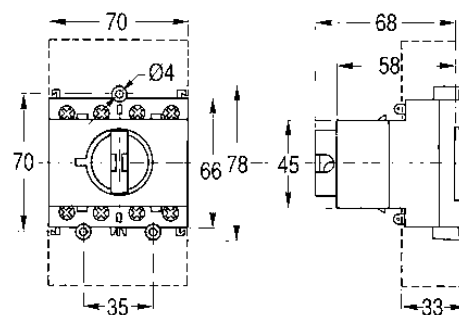
Dilos 00 - DIN-rail disconnectors



Dilos 00 - Disconnectors for door mounting



Dilos 0



Dilos 1

