

P1 Switch-disconnector
fitted in a Ci-K
Polycarbonate enclosure



T3 Switch-disconnector
fitted in a steel
enclosure

Description

Enclosed switch-disconnectors can be installed alongside traditional panels and assemblies, or as a standalone unit for external applications (such as HVAC systems) with robust ingress protection.

Standards/Approvals

See details page 178

Technical data

- Voltage: 690 V a.c.
- Current: 20 A to 275 A

Features

- Available with or without emergency switching off/emergency stop function
- Available with and without auxiliary contacts
- Available with red rotary handle and yellow locking collar and black rotary handle and locking collar
- 1-pole to 8-pole options
- Ci-K enclosed units can be optionally ordered with a North American style variant, see details page 152

Soft and hard knockouts

Standard Ci-K enclosure have "soft knockouts" which utilises a soft puncturable cable membrane for connection of supply and load lines while maintaining ingress protection.

Hard knockouts are also referred to as metric knockouts, and are made of a solid plastic where the central retainer is "knocked out" from the enclosure, and a metric cable gland is used to secure the ingress of supply and load lines

An option of "hard knockouts" are available for some products as a standard selection, these can be identified within the part number by the inclusion of the letter 'H' after the enclosure size, e.g. I1H or I2H. They can be requested, if the option is not stated in the catalogue, for enclosure sizes I1 and I2

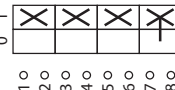
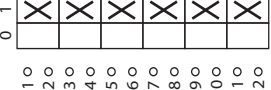
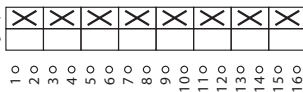
Parts numbers for ordering the optional hard knockouts and associated cable glands can be found on page 151.

Enclosed switch-disconnectors - Range overview

Rated current	20 A	25 A	32 A		40 A	63 A		95 A	100 A		160 A	275 A
On-Off switch-disconnectors	T0	P1	P1	T3	P1	P3	T5B		P3	T5		
Without auxiliary contacts	✓	✓	✓	✓	✓	✓	✓		✓	✓		
With auxiliary contacts	✓	✓	✓	✓	✓		✓			✓		
Main switch-disconnectors	T0	P1	P1	T3	P1	P3	T5B	T5	P3	T5	T6	T8
Without auxiliary contacts	✓	✓	✓	✓	✓	✓	✓	✓	✓			
With auxiliary contacts	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
Changeover switch-disconnectors	T0			T3			T5B			T5		
Without auxiliary contacts	✓			✓			✓			✓		
Coding switch-disconnectors	T0											
Without auxiliary contacts	✓											
Heater switch-disconnectors	T0											
Without auxiliary contacts	✓											
Manual/auto switch-disconnectors	T0											
Without auxiliary contacts	✓											
Multi speed switch-disconnectors	T0			T3			T5B					
Without auxiliary contacts	✓			✓			✓					
Reversing switch-disconnectors	T0			T3			T5B					
Without auxiliary contacts	✓			✓			✓					
Safety switch-disconnectors		P1	P1		P1	P3	T5B		P3	T5		
With auxiliary contacts		✓	✓		✓	✓	✓		✓	✓		
Selector switch-disconnectors	T0											
Without auxiliary contacts	✓											
Star delta switch-disconnectors	T0			T3			T5B					
Without auxiliary contacts	✓			✓			✓					
Step switch-disconnectors	T0											
Without auxiliary contacts	✓											
Universal switch-disconnectors	T0											
Without auxiliary contacts	✓											

Enclosed - Main switch-disconnectors without auxiliary contacts

Switch-disconnector fitted in Ci-K Polycarbonate enclosure, without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US) and Canada	Padlockable handle
 FS 908		1	20 A	T0-1-8200/I1/SVB-SW	207146	1	X	✓
			32 A	T3-1-8200/I2/SVB-SW	207201	1	✓	✓
			63 A	T5B-1-8200/I4/SVB-SW	207241	1	✓	✓
		2	20 A	T0-1-102/I1/SVB-SW	207144	1	X	✓
			32 A	T3-1-102/I2/SVB-SW	207199	1	✓	✓
			63 A	T5B-1-102/I4/SVB-SW	207239	1	✓	✓
		3	20 A	T0-2-1/I1/SVB-SW	207148	1	X	✓
			25 A	P1-25/I2/SVB-SW	207294	1	✓	✓
			25 A	P1-25/I2H/SVB-SW	227861	1	X	✓
			32 A	P1-32/I2/SVB-SW	207315	1	✓	✓
			32 A	P1-32/I2H/SVB-SW	227872	1	X	✓
			40 A	P1-40/I2/SVB-SW	199912	1	X	✓
			40 A	P1-40/I2H/SVB-SW	199925	1	X	✓
			63 A	P3-63/I4/SVB-SW	207344	1	✓	✓
			80 A	P3-80/I5/SVB-SW	EP-400987	1	✓	✓
			100 A	P3-100/I5/SVB-SW	207374	1	✓	✓
		3 + N	20 A	T0-2-8900/I1/SVB-SW	207152		X	✓
			25 A	P1-25/I2/SVB-SW/N	207296	1	✓	✓
			25 A	P1-25/I2H/SVB-SW/N	227863	1	X	✓
			32 A	P1-32/I2/SVB-SW/N	207317	1	✓	✓
			32 A	P1-32/I2H/SVB-SW/N	227874	1	X	✓
			32 A	P1-32/I2H/N	227869	1	X	✓
			40 A	P1-40/I2/SVB-SW/N	199914	1	X	✓
			40 A	P1-40/I2H/SVB-SW/N	199927	1	X	✓
			63 A	P3-63/I4/SVB-SW/N	207346	1	✓	✓
			80 A	P3-80/I5/SVB-SW/N	EP-400989	1	✓	✓
			100 A	P3-100/I5/SVB-SW/N	207376	1	✓	✓
		6	20 A	T0-3-8342/I1/SVB-SW	207160	1	X	✓
			32 A	T3-3-8342/I2/SVB-SW	207209	1	✓	✓
			63 A	T5B-3-8342/I4/SVB-SW	207243	1	✓	✓
			100 A	T5-3-8342/I5/SVB-SW	207280	1	X	✓
		8	20 A	T0-4-8344/I1/SVB-SW	207164	1	X	✓
			32 A	T3-4-8344/I2/SVB-SW	207213	1	✓	✓
			63 A	T5B-4-8344/I4/SVB-SW	207249	1	✓	✓
			95 A	T5-4-8344/I5/SVB-SW	207284	1	X	✓

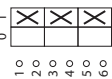
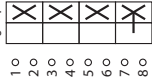
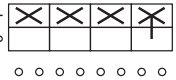
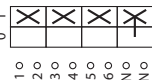
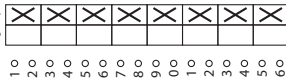


207239

Photo is representative

Enclosed - Main switch-disconnectors without auxiliary contacts

Switch-disconnectors fitted in polycarbonate Ci-K Enclosures With emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US) and Canada	Padlockable handle
 FS 908	 1 0 1	1	20 A	T0-1-8200/I1/SVB	207145	1	X	✓
			32 A	T3-1-8200/I2/SVB	207200	1	✓	✓
			63 A	T5B-1-8200/I4/SVB	207240	1	✓	✓
	 1 0 2 0	2	20 A	T0-1-102/I1/SVB	207143	1	X	✓
			32 A	T3-1-102/I2/SVB	207198	1	X	✓
			63 A	T5B-1-102/I4/SVB	207238	1	✓	✓
			100 A	T5-1-102/I5/SVB	207273	1	X	✓
	 1 0 3 0 0	3	20 A	T0-2-1/I1/SVB	207147	1	X	✓
			25 A	P1-25/I2/SVB	207293	1	✓	✓
			25 A	P1-25/I2H/SVB	226900	1	X	✓
			32 A	P1-32/I2/SVB	207314	1	✓	✓
			32 A	P1-32/I2H/SVB	227868	1	✓	✓
			40 A	P1-40/I2/SVB	199909	1	X	✓
			40 A	P1-40/I2H/SVB	199922	1	X	✓
			63 A	P3-63/I4/SVB	207343	1	✓	✓
			80 A	P3-80/I5/SVB	EP-400982	1	✓	✓
			100 A	P3-100/I5/SVB	207373	1	✓	✓
	 1 0 3 0 0 0 0 0	3 + N	20 A	T0-2-8900/I1/SVB	207151	1	X	✓
	 1 0 3 0 0 0 0 0 N 0	3 + N	25 A	P1-25/I2/SVB/N	207298	1	✓	✓
			25 A	P1-25/I2H/SVB/N	227860	1	X	✓
			32 A	P1-32/I2/SVB/N	207319	1	✓	✓
			32 A	P1-32/I2H/SVB/N	227871	1	X	✓
			40 A	P1-40/I2/SVB/N	199911	1	X	✓
			40 A	P1-40/I2H/SVB/N	199924	1	X	✓
			63 A	P3-63/I4/SVB/N	207349	1	✓	✓
			80 A	P3-80/I5/SVB/N	EP-400985	1	✓	✓
			100 A	P3-100/I5/SVB/N	207379	1	✓	✓
	 1 0 6 0 0 0	6	20 A	T0-3-8342/I1/SVB	207159	1	X	✓
			32 A	T3-3-8342/I2/SVB	207208	1	✓	✓
			63 A	T5B-3-8342/I4/SVB	207242	1	✓	✓
			100 A	T5-3-8342/I5/SVB	207279	1	X	✓
	 1 0 8 0 0 0 0 0 0 0 0 0 0 0	8	20 A	T0-4-8344/I1/SVB	207163	1	X	✓
			32 A	T3-4-8344/I2/SVB	207212	1	✓	✓
			63 A	T5B-4-8344/I4/SVB	207248	1	✓	✓
			95 A	T5-4-8344/I5/SVB	207283	1	X	✓



207283

Photo is representative

T Rotary cam switch-disconnectors standards

Product group	IEC 60947-1	IEC 60947-3	CE Marking	UKCA Marking	Degree of protection		NA Certification	UL FILE No.	UL CCN		UL 508
					IEC	UL/CSA			NLRV	NLRV7	
TM - ... /E	✓	✓	✓	✓	IP65	-	UL Listed, Certified for UL use in Canada	E36332	✓	X	✓
TM - ... /EZ	✓	✓	✓	✓	IP65	-	UL Listed, Certified for UL use in Canada	E36332	✓	X	✓
TM - ... /IVS	✓	✓	✓	✓	IP30	-	UL Listed, Certified for UL use in Canada	E36332	✓	X	✓
T0 - ... /E	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T0 - ... /EZ	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T0 - ... /Z	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T0 - ... /IVS	✓	✓	✓	✓	IP30	-	UL Listed, CSA Certified	E36332	✓	X	X
T0 - ... /I1	✓	✓	✓	✓	IP65	-	X	X	X	X	X
T0 - ... /I1H	✓	✓	✓	✓	IP65	-	X	X	X	X	X
T0 - ... /I2	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T0 - ... /I2H	✓	✓	✓	✓	IP65	-	X	X	X	X	X
T0 - ... /SVB(-SW)	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T3 - ... /E	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T3 - ... /EZ	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T3 - ... /Z	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T3 - ... /SVB(-SW)	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T3 - ... /I2	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T3 - ... /I2H	✓	✓	✓	✓	IP65	-	X	X	X	X	X
T5(B) - ... /E	✓	✓	✓	✓	IP65	1	UL Listed, CSA Certified	E36332	✓	X	X
T5(B) - ... /Z	✓	✓	✓	✓	IP65	1	UL Listed, CSA Certified	E36332	✓	X	X
T5(B) - ... /I	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T5(B) - ... /SVB(-SW)	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T6 - ... /E	✓	✓	✓	✓	IP65	X	Contact BuleTechnical@Eaton.com for more information	X	X	X	X
T6 - ... /SVB(-SW)	✓	✓	✓	✓	IP65	X		X	X	X	X
T6 - ... /I45	✓	✓	✓	✓	IP65	X		X	X	X	X
T8 - ... /E	✓	✓	✓	✓	IP65	X-		X	X	X	X
T8 - ... /SVB(-SW)	✓	✓	✓	✓	IP65	X		X	X	X	X
T6 - ... /I48	✓	✓	✓	✓	IP65	X		X	X	X	X

Notes:

All switch-disconnectors comply to IEC 62061-1

All switch-disconnectors with emergency switch off/emergency stop function comply to IEC 60204-1

T Rotary cam switch-disconnectors standards

Product group	UL 60947-1	UL 60947-4-1	CSA FILE No.	CSA Class No.		CSA 60947-1-13	CSA 60947-4-1-14	CSA C22.2 No. 0-10	CSA 22.2 14-10	CSA 22.2 14-13	Suitable for	
				3211-25	3211-05						Branch circuits	Motor disconnect
TM - ... /E	X	X	UL report applies to both US and Canada	X	X	X	X	X	✓	X	X	X
TM - ... /EZ	X	X		X	X	X	X	X	✓	X	X	X
TM - ... /IVS	X	X		X	X	X	X	X	✓	X	X	X
T0 - ... /E	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T0 - ... /EZ	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T0 - ... /Z	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T0 - ... /IVS	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	X
T0 - ... /I1	X	X	X	X	X	X	X	X	X	X	X	X
T0 - ... /I1H	X	X	X	X	X	X	X	X	X	X	X	X
T0 - ... /I2	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T0 - ... /I2H	X	X	X	X	X	X	X	X	X	X	X	X
T0 - ... /SVB(-SW)	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T3 - ... /E	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T3 - ... /EZ	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T3 - ... /Z	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T3 - ... /SVB(-SW)	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T3 - ... /I2	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T3 - ... /I2H	X	X	X	X	X	X	X	X	X	X	X	X
T5(B) - ... /E	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T5(B) - ... /Z	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T5(B) - ... /I	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T5(B) - ... /SVB(-SW)	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T6 - ... /E	X	X	X	X	X	X	X	X	X	X	X	X
T6 - ... /SVB(-SW)	X	X	X	X	X	X	X	X	X	X	X	X
T6 - ... /I45	Contact buletechnical@eaton.com for more information											
T8 - ... /E												
T8 - ... /SVB(-SW)												
T6 - ... /I48												

Notes:

All switch-disconnectors comply to IEC 62061-1

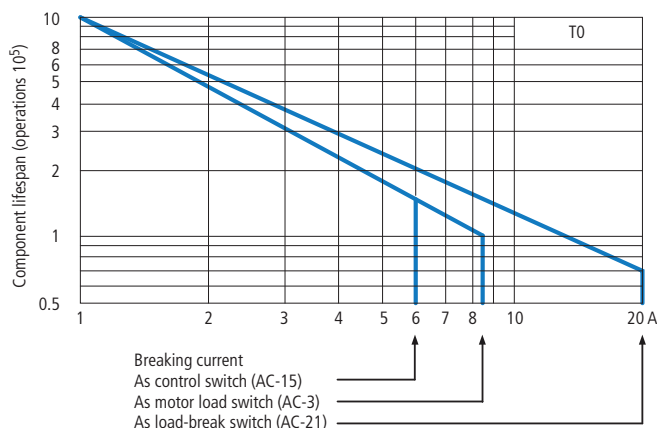
All switch-disconnectors with emergency switch off/emergency stop function comply to IEC 60204-1

Characteristic curves

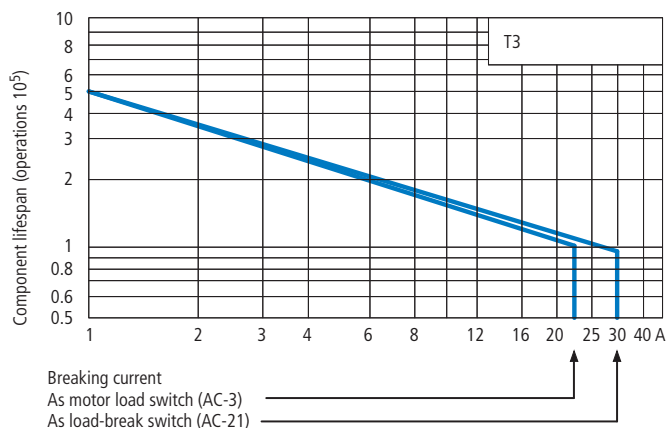
Component lifespan based on breaking current and utilisation category AC-3 and AC-21 at 400 V a.c., AC-15 at 230 V.

To ensure a reasonable service life in utilisation category AC-4 (extreme load: 100% inching, reversing or plug braking) the motor's standstill current must not exceed the rated operational current of the switch AC-21A.

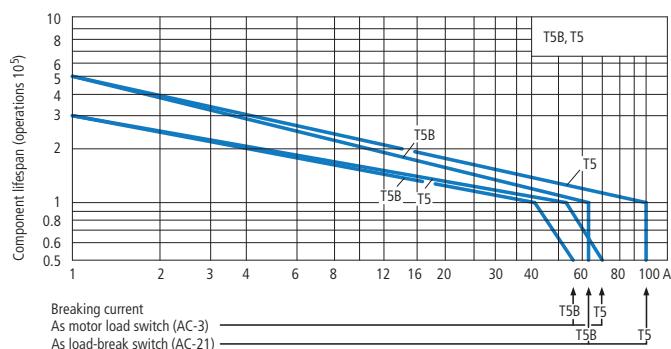
T0 - Characteristic curve



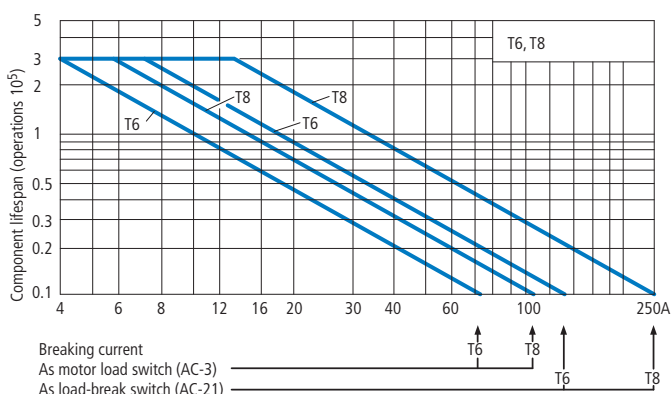
T3 - Characteristic curve



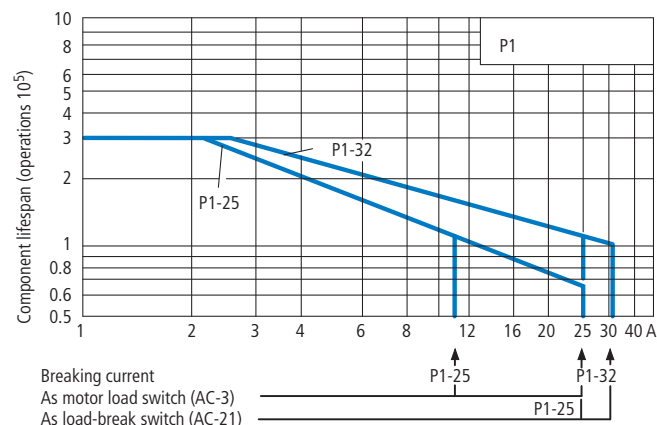
T5, T5B - Characteristic curve



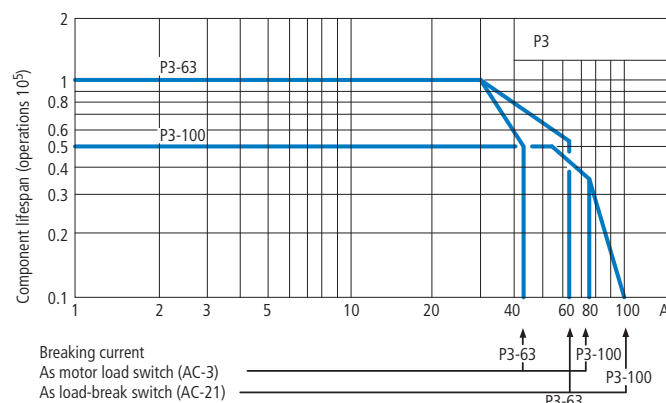
T6, T8 - Characteristic curve



P1 - Characteristic curve



P3 - Characteristic curve



T0, T3, T5B, T5 Cam switch-disconnectors

				T0-...	T3-...	T5B-...	T5-...
General							
Standards				IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL switch-disconnector to IEC/EN 60947-3 Load break switch according to IEC/EN60947-3			
Lifespan mechanical		Operations	x 10 ⁶	0.5	0.5	0.5	0.5
Maximum operating frequency		Operations/h		3000	3000	3000	3000
Climatic proofing				Damp heat, constant to IEC 60068-2-78; Damp heat, cyclic to IEC 60068-2-30			
Ambient temperature (for derating information contact buletechnical@eaton.com)	Open		°C	-25 -50	-25 -50	-25 -50	-25 -50
	Enclosed		°C	-25 -40	-25 -40	-25 -40	-25 -40
Mounting position				Any	Any	Any	Any
Mechanical shock resistance to IEC 60068-2-27		Half-sinusoidal shock to 20 ms	g	>15	>15	>15	>15
Contacts							
Rated operational voltage		U _e	V A C	690	690	690	690
Rated impulse withstand voltage		U _{imp}	V A C	6000	6000	6000	6000
Overvoltage category/pollution degree				III/3	III/3	III/3	III/3
Rated uninterrupted current	Open	I _u	A	20	32	63	100
	Enclosed	I _u	A	20	32	63	100
Load rating with intermittent operation, class 12	AB 60% DF		x I _e	2	2	2	2
	AB 40% DF		x I _e	1.6	1.6	1.6	1.6
	AB 25% DF		x I _e	1.3	1.3	1.3	1.3
Rated conditional short-circuit current	Load side	I _q	kA	6	1	2	2
	Supply side	I _q	kA	-	-	-	-
Short-circuit rating	Fuse		A gG/gL	20	35	80	100
Rated short-time withstand current (1s current)		I _{cw}	A _{rms}	320	650	1300	1850
Safe isolation according to EN 61140							
Between the contacts			VAC	440	440	440	440
Switching angle			°	90 60 45 30	90 60 45 30	90 60 45 30	90 60 45 30
Contact units			Number	Max. 11	Max. 11	Max. 10	Max. 10
Contacts with double-break				Max. 22	Max. 22	Max. 20	Max. 20
Current heat loss per contact at I _e			W	0.6	1.1	4.5	7.5
Terminal capacity							
Solid or stranded			mm ²	1 x (1-2.5) 2 x (1-2.5)	1 x (1-2.5) 2 x (1-2.5)	1 x (2.5-35) 2 x (2.5-16)	1 x (2.5-35) 2 x (2.5-16)
Flexible with ferrule to DIN 46228			mm ²	1 x (0.75-1.5) 2 x (0.75-1.5)	1 x (0.75-4) 2 x (0.75-4)	1 x (1.5-25) 2 x (1.5-10)	1 x (1.5-25) 2 x (1.5-10)
Terminal screw				M3.5	M4	M6	M6
Tightening torque			Nm	1	2	4	4

Notes: The following applies for mechanical shock resistance: T3.../I...>12g.

Applies to T0.../SVB: isolating characteristics to IEC/EN 60947 for rated operational voltage U_e up to 500 V a.c.

The following applies to rated uninterrupted current I_u of contacts: max 95 A with T5-4-8344/15.

The following applies to solid, stranded and flexible terminal capacities:

T0, , (8)...: If 2 conductors are used, a max difference of 2 cross-section sizes is permissible.

T5(B)-...: If 2 conductors are used, a max difference of 1 cross-section sizes is permissible.

The following applies for part no T8-3-8342/...: switching angle = 90° and flat conductor connection = 1 flat conductor.

25 x 5 or 2 flat conductors, 20 x 3

T0, T3, T5B and T5 Cam switch-disconnectors

				T0-...	T3-...	T5B-...	T5-...		
Switching capacity									
AC Voltage									
Rated making capacity cos φ = 0.35			A	130	320	800	960		
Rated breaking capacity, motor load switch cos φ = 0.35	230 V		A	100	260	520	760		
	400 V		A	110	260	600	740		
	500 V		A	80	240	480	590		
	690 V		A	60	170	340	420		
Rated operational current, load-break switch AC-21A	440 V	I _e	A	20	32	63	100		
Motor rating Motor load switch AC-3	230 V	P	kW	3	6.5	15	22		
	230 V star-delta	P	kW	4	11	22	30		
	400/415 V	P	kW	4	12	22	30		
	400 V star-delta	P	kW	5.5	18.5	37	45		
	500 V	P	kW	5.5	15	22	37		
	500 V star-delta	P	kW	7.5	22	37	55		
	690 V	P	kW	4	15	22	30		
	690 V star-delta	P	kW	5.5	22	37	45		
Motor rating Motor load switch AC-23A	230 V	P	kW	3.5	7.5	15	18.5		
	400/415 V	P	kW	6.5	13	22	30		
	500 V	P	kW	7.5	15	22	37		
	690 V	P	kW	6.5	15	22	30		
Motor rating Motor load switch AC-15	230 V	P	kW	6	10	16	16		
	400/415 V	P	kW	4	6	6	6		
	500 V	P	kW	2	4	4	4		
DC Voltage									
DC-1, load switch L/R = 1 ms	Rated operational current		I _e	A	10	25	63	80	
	Voltage per contact connected in series			V	60	60	60	60	
DC-21A	Rated operational current 240 V			A	1	1			
	240 V contacts			Number	1	1			
DC-23A, motor load switch L/R = 15 ms	24 V	Rated operational current		I _e	A	10	25	50	-
		Voltage per contact connected in series			Number	1	1	1	-
	48 V	Rated operational current		I _e	A	10	25	50	-
		Contacts			Number	2	2	2	-
	60 V	Rated operational current		I _e	A	10	25	50	-
		Contacts			Number	3	3	3	-
	120 V	Rated operational current		I _e	A	5	12	25	-
		Contacts			Number	3	3	3	-
	240 V	Rated operational current		I _e	A	5	5	20	-
		Contacts			Number	5	5	6	-
DC-13, control switch L/R = 50 ms	Rated operational current		I _e	A	10	20	25	-	
	Voltage per contact connected in series			Number	32	32	24	-	
Control circuit reliability at 24 V d.c., 10 mA			Fault probability	H _f	< 10-5, < 1 failure for 100,000 switching operations				

T0, T3 and T5B Cam switch-disconnectors- Approvals for North America

				T0	T3	T5B
Rating data for approved types UL File No E36332						
Contacts						
Rated operational voltage	U _e			600	600	600
Rated uninterrupted current	I _u			16	25	65
Rated current		A		16	25	65
Pilot duty				A 600 P 600	A 600	
Switching capacity						
AC-3, max, rated power, 40-60 Hz AC motors						
3-phase	200 V a.c.	HP		3	5	15
	230 V a.c.	HP		3	7½	15
	460 V a.c.	HP		10	15	40
	575 V a.c.	HP		10	15	50
	Single-phase					
	115 V a.c.	HP		1	1½	3
	200 V a.c.	HP		2	3	7½
	230 V a.c.	HP		2	3	10
Short-circuit rating						
Standard	600 V a.c.	kA		5	5	5
	With back-up fuse	A		50	80	Class J
	With circuit-breakers	Part No		NZMH6	NZMH6	-
	Current setting	A		50	125	-
Disconnect in motor circuits		600 V a.c.	kA	10	10	-
With back-up fuse		Class		20 A/J	40 A/J	-
Terminal capacity						
Cu cable	Min	AWG		18	14	12
	Max	MCM		14	10	4
Tightening torque	Max	in-lb		8.8	17.6	35.3

Notes: Do not use AW extension terminals where UL/CSA approval is required.

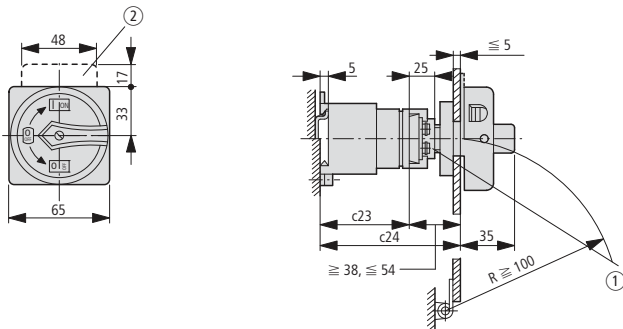
	UL approved protection types		
	UL/NEMA 1	UL/NEMA 3R	UL/NEMA 12
T0-../E; /Z../SVB	•	•	-
T3-../E; /Z../SVB	•	•	-
T5B-../E; /Z../SVB	•	•	•

Notes: Protection types as defined in NEC (NFPA 70), UL, CSA, NEMA

Dimensions

T0 and T3 Rear Main switch /V/SVB - mm

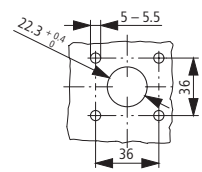
Rear mounting main switches
T0.../V/SVB
T3.../V/SVB



Drilling
dimensions
base

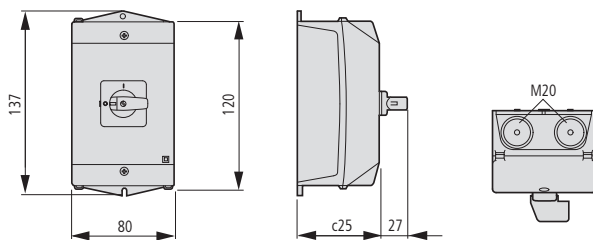


Drilling
dimensions
door

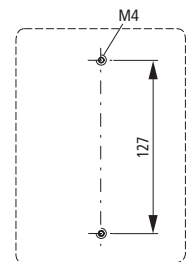


- ① Interlock extension possible with ZVV-T0 + ZAV-T0, F 4 x 25 = 100 mm
- ② Not included as standard

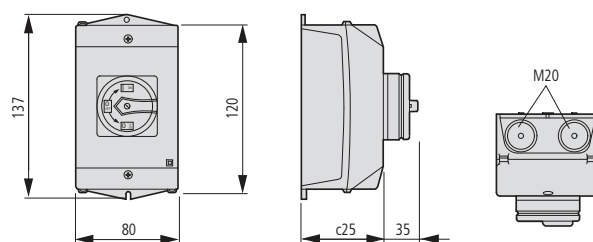
T0 Surface mounting /I1 - mm



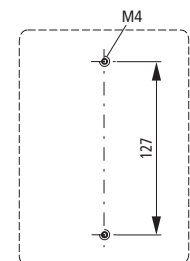
Drilling dimensions
base



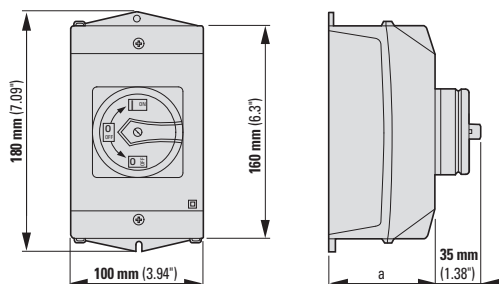
T0 Surface mounting main switches /I1 padlock facility - mm



Drilling dimensions
base



T0 Surface mounting main switch /I2H/MBS/SVB with pre-assembled EMC screen - mm



mm	in	mm	Ø	mm	in
7	0.28	2 x 4.2 x 8.2	d1	3.5	0.14
8	0.32	2 x 4.2 x 8.2	d1	3.5	0.14
10	0.39	2 x 4.2 x 8.2	d1	3.5	0.14
12	0.47	2 x 4.8 x 10.5	d2	4.1	0.16

a = 101 mm (3.98")