

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

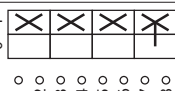
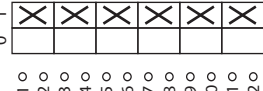
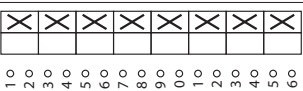
Parts numbers for ordering the optional hard knockouts and associated cable glands can be found on page 151.

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	✓

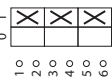
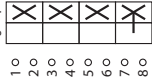
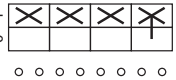
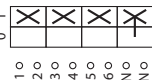
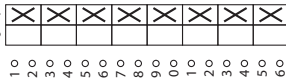


207239

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	3 + N	20 A	T0-2-8900/I1/SVB	207151	1	X	✓
	 1 0 3 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	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

P 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 489	UL 508
					IEC	UL/CSA			NLRV	NLRV7		
P1 - ... /E	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X
P1 - ... /EZ	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X
P1 - ... /Z	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X
P1 - ... /M4	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X
P1 - ... /SVB(-SW)	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X
P1 - ... /IVS	✓	✓	✓	✓	IP30	-	UL Listed, CSA Certified	E36332	✓	X	X	X
P1 - ... /I1	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X
P1 - ... /I1H	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X
P1 - ... /I2	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X
P1 - ... /I2H	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X
P1 - ... /... -SI(-SW)	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X
P1 - ... /SE1	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X
P3 - ... /E	✓	✓	✓	✓	IP65	1	UL Listed, CSA Certified	E36332	✓	X	X	X
P3 - ... /Z	✓	✓	✓	✓	IP65	1	UL Listed, CSA Certified	E36332	✓	X	X	X
P3 - ... /M4	✓	✓	✓	✓	IP65	1	UL Listed, CSA Certified	E36332	✓	X	X	X
P3 - ... /IVS	✓	✓	✓	✓	IP30	1	UL Listed, CSA Certified	E36332	✓	X	X	X
P3 - ... /SVB(-SW)	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X
P3 - ... /I3	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X
P3 - ... /I4	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X
P3 - ... /I5	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X
P3 - ... /... -SI	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X
P3 - ... /SE3	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X
P3-30/...-MCS	X	X	X	X	X	X	X	X	X	X	✓	X
P5 - ... /E	✓	✓	✓	✓	IP65	12	UL Listed, CSA Certified	E36332	✓	✓	X	✓
P5 - ... /Z	✓	✓	✓	✓	IP65	12	UL Listed, CSA Certified	E36332	✓	✓	X	✓
P5 - ... /SVB(-SW)	✓	✓	✓	✓	IP65	12	UL Listed, CSA Certified	E36332	✓	✓	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

P Switch-disconnectors standards

Product group	UL 60947-1	UL 60947-4-1	CSA FILE No.	CSA Class No.							Suitable for	
				3211-25	3211-05	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	Branch circuits	Motor disconnect
P1 - ... /E	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
P1 - ... /EZ	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
P1 - ... /Z	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
P1 - ... /M4	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
P1 - ... /SVB(-SW)	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
P1 - ... /IVS	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	X
P1 - ... /I1	X	X	X	X	X	X	X	X	X		X	X
P1 - ... /I1H	X	X	X	X	X	X	X	X	X	X	X	X
P1 - ... /I2	✓	✓	012528	✓	✓	✓	✓	✓		✓	✓	✓
P1 - ... /I2H	X	X	X	X	X	X	X	X	X	X	X	X
P1 - ... /... -SI(-SW)	X	X	X	X	X	X	X	X	X	X	X	X
P1 - ... /SE1	X	X	X	X	X	X	X	X	X	X	X	X
P3 - ... /E	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
P3 - ... /Z	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
P3 - ... /M4	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
P3 - ... /IVS	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	
P3 - ... /SVB(-SW)	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
P3 - ... /I3	X	X	X	X	X	X	X	X	X	X	X	X
P3 - ... /I4	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
P3 - ... /I5	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
P3 - ... /... -SI	X	X	X	X	X	X	X	X	X	X	X	X
P3 - ... /SE3	X	X	X	X	X	X	X	X	X	X	X	X
P3-30/...-MCS	X	X	X	X	X	X	X	X	X	X	X	X
P5 - ... /E	X	X	223805	X	✓	X	X	X	✓	X	✓	✓
P5 - ... /Z	X	X	223805	X	✓	X	X	X	✓	X	✓	✓
P5 - ... /SVB(-SW)	X	X	223805	X	✓	X	X	X	✓	X	✓	✓

Notes:

All switch-disconnectors comply to IEC 62061-1

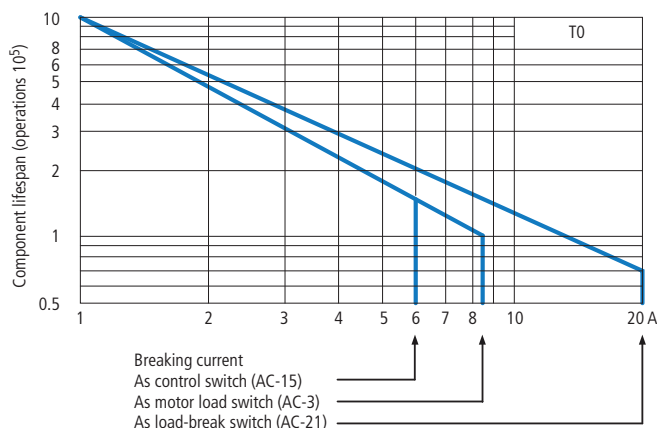
All switch-disconnectors with emergency switch off/emergency stop function comply to IEC 60204-1

Characteristic curves

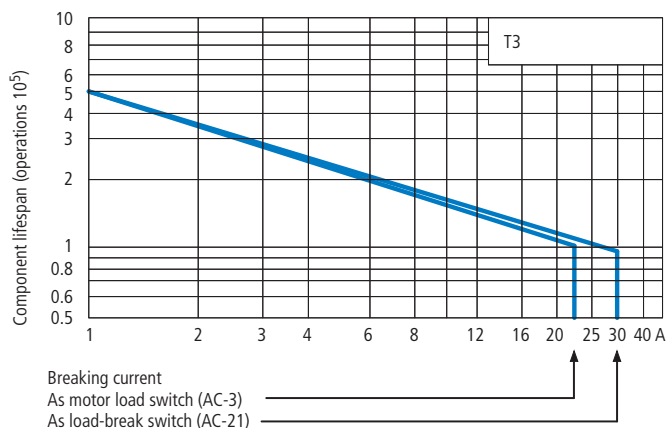
Component lifespan based on breaking current and utilisation category AC-3 and AC-21 at 400 V a.c., AC-15 at 230 V.

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.

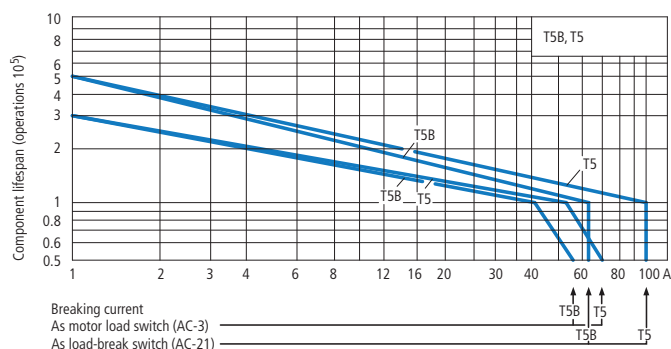
T0 - Characteristic curve



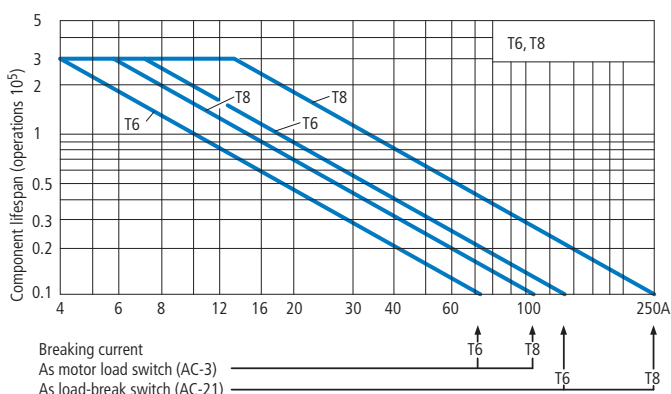
T3 - Characteristic curve



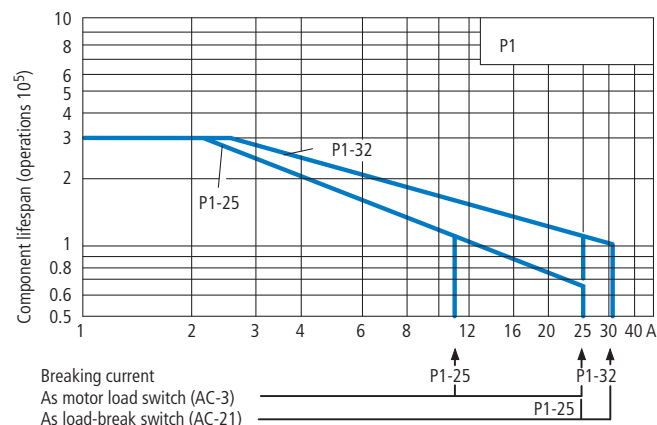
T5, T5B - Characteristic curve



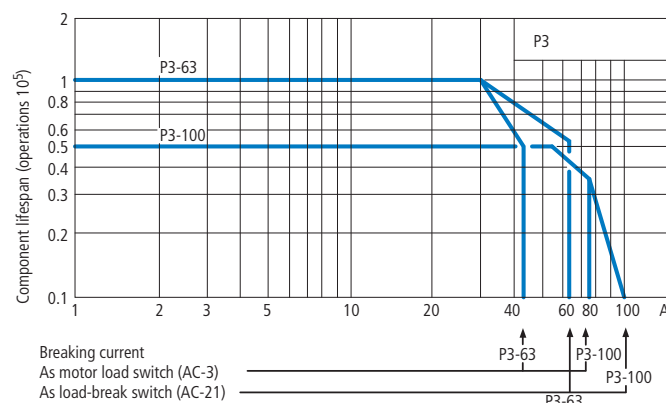
T6, T8 - Characteristic curve



P1 - Characteristic curve



P3 - Characteristic curve



Technical data

P1 and P3 Switch-disconnectors

				P1-25	P1-32	P1-40	P3-63	P3-80	P3-100	
General										
Standards				IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL, switch-disconnector to IEC/EN 60947-3		IEC/EN 60947, IEC/EN 60204	IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL, switch-disconnector to IEC/EN 60947-3			
Lifespan mechanical		Operations	x 10 ⁶	0.3	0.3	0.3	0.1	0.1	0.1	
Maximum operating frequency		Operations/h		50	50	50	50	50	50	
Climatic proofing				Damp heat: constant to IEC 60068-2-78 / cyclical to IEC 60068-2-30						
Ambient temperature (for derating details please contact buletechnical@eaton.com)		Open	°C	-25 - 50	-25 - 50	-25 - 50	-25 - 50	-25 - 50	-25 - 50	
		Enclosed	°C	-25 - 40	-25 -40	-25 - 40	-25 - 40	-25 - 40	-25 - 40	
Mounting position				Any	Any	Any	Any	Any	Any	
Mechanical shock resistance (IEC/EN 600068-2-27)		Half-sinusoidal shock 20 ms	g	15	15	15	15	15	15	
Contacts										
Rated operational voltage		U _e	V A C	690	690	690	690	690	690	
Rated impulse withstand voltage		U _{imp}	V A C	6000	6000	6000	6000	6000	6000	
Overvoltage category/pollution degree				III/3	III/3	III/3	III/3	III/3	III/3	
Rated uninterrupted current		I _u	A	25	32	40	63	80	100	
Load rating with intermittent operation, class 12	AB 60% DF		x I _e	1.3	1.3	1.3	1.3	1.3	1.3	
	AB 40% DF		x I _e	1.6	1.6	1.6	1.6	1.6	1.6	
	AB 25% DF		x I _e	2	2	2	2	2	2	
Short-circuit rating		Fuse	A gG/gL	25	50	50	80	100	100	
Rated conditional short-circuit current		Load side	I _q	kA	50	80	80	4	4	4
		Supply side	I _q	kA	-	-	-	100	80	80
Rated short-time withstand current (1s current)			I _{rs}	A _{rms}	640	640	640	1260	1260	1260
Isolating characteristics to IEC/EN 60947			V A C	≤ 690	≤ 690	≤ 690	≤ 690	≤ 690	≤ 690	
Safe isolation according to EN 61140										
Safe isolation to VDE 0106 Part 101 and Part 101 A1 between the auxiliary contacts and main circuits			VAC	440	440	440	440	440	440	
Switching angle			°	90	90	90	90	90	90	
Contacts			Number	Max. 3 (+N)	Max. 3 (+N)	Max. 3 (+N)	Max. 3 (+N)	Max. 3 (+N)	Max. 3 (+N)	
Current heat loss per contact at I _e			W	1.1	1.8	1.9	4.5	6	7.5	
Terminal capacity										
Solid or stranded			mm ²	1 x (1.5-6) 2 x (1.5-6)	1 x (1.5-6) 2 x (1.5-6)	1 x (1.5-10) 2 x (1.5-10)	1 x (2.5-35) 2 x (2.5-10)	1 x (2.5-35) 2 x (2.5-10)	1 x (2.5-35) 2 x (2.5-10)	
Flexible with ferrule to DIN 46228			mm ²	1 x (1-4) 2 x (1-4)	1 x (1-4) 2 x (1-4)	1 x (1-4) 2 x (1-4)	1 x (1.5-25) 2 x (1.5-6)	1 x (1.5-25) 2 x (1.5-6)	1 x (1.5-25) 2 x (1.5-6)	
Fork terminal				-	-	1 x (1.5-10) 2 x (1.5-10)	-	-	-	
Terminal screw				M4	M4	M4	M5	M5	M5	
Tightening torque			Nm	1.6	1.6	1.6	3	3	3	
Switching capacity										
AC Voltage										
Rated making capacity cos φ = 0.35 *P1-40 φ = 0.45			A	240	320	360*	800	875	950	
*P1-40 φ = 0.45	Rated breaking capacity, motor load switch cos φ = 0.35	230 V	A	190	260	X	640	700	760	
		400/415 V	A	150	300	290*	600	675	740	
		500 V	A	170	290	X	590	750	880	
		690 V	A	150	250	130*	340	440	520	
Rated operational current 440V, load-break switch AC-21A			I _e	A	25	32	40	63	80	100
AC-3 motor load switch motor load		230 V	P	kW	5.5	7.5	7.5	15	18.5	22
		400/415 V	P	kW	7.5	13	15	30	33.5	37
		500 V	P	kW	7.5	18.5	X	30	38	45
		690 V	P	kW	7.5	15	15	30	33.5	37

Notes: Main switch characteristics to IEC/EN 60204; positive opening of contacts, operator element positively located on shaft. Rated uninterrupted current I_u is specified for max cross-section. For terminal capacity solid, stranded and flexible: Max. 2 cross-section sizes difference admissible when using 2 conductors.

P1 and P3 Switch-disconnectors

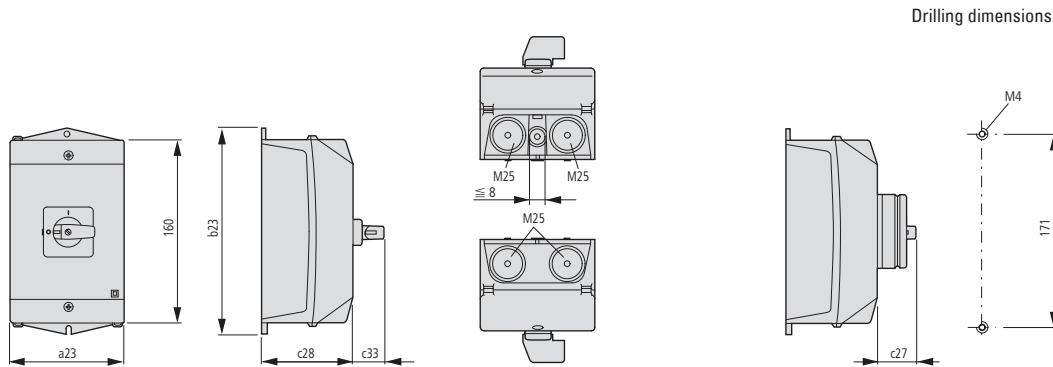
				P1-25	P1-32	P1-40	P3-63	P3-80	P3-100
Switching capacity									
AC-23A motor load switch motor load	230 V	P	kW	7	8,5	11	18,5	30	30
	400/415 V	P	kW	13	15	22	30	50	50
	500 V	P	kW	11	18,5	X	37	65	65
	690 V	P	kW	11	18,5	18,5	30	45	45
DC Voltage									
DC-1, load switch L/R = 1 ms	Rated operational current I _e		A	25	32	X	63	80	100
	Voltage per contact connected in series		V	60	60	X	60	60	60
DC-23A, motor load switch L/R = 15 ms	24 V	Rated operational current I _e	A	25	25	X	50	50	50
		Contacts	Number	1	1	X	1	1	1
	48 V	Rated operational current I _e	A	25	25	X	50	50	50
		Contacts	Number	2	2	X	2	2	2
	60 V	Rated operational current I _e	A	25	25	X	50	50	50
		Contacts	Number	3	3	X	3	3	3
	120 V	Rated operational current I _e	A	12	12	X	25	25	25
		Contacts	Number	3	3	X	3	3	3
Rating data for approved types UL File No E36332 (Devices for world markets IEC, UL/CSA)									
Contacts									
Rated operational voltage U _e			V a.c.	600	600	600	600	600	600
Rated operational current I _o	Rated current		A	20	30	40	60	80	100
	Pilot duty			A 600 P 600	A 600 P 600	A 600 P 600	-	-	-
Switching capacity									
AC-3: max, rated power, 40-60 Hz AC motors									
3-phase	200 V a.c.	HP	5	7½	X	15	15	20	
	230 V a.c.	HP	5	10	X	15	20	25	
	460 V a.c.	HP	10	20	X	40	50	60	
	575 V a.c.	HP	15	25	X	50	60	75	
Single-phase	200 V a.c.	HP	1½	2	X	3	5	5	
	230 V a.c.	HP	3	3	X	7½	10	10	
	460 V a.c.	HP	3	5	X	10	15	15	
Short-circuit rating									
	Standard	600 V a.c.	kA	5	5	5	10	10	10
	With back-up fuse		A	110	110	110	150	150	150
	With circuit-breakers		Part no.	NZMH6	NZMH6	NZMH6	NZMH6	NZMH6	NZMH6
	Current setting		A	125	125	125	125	125	125
Disconnect in motor circuits	600 V a.c.	kA	10	10	10	10	10	-	
	With back-up fuse		Class	50 A/J	50 A/J	50 A/J	100 A	100 A	100 A
Terminal capacity									
Terminal capacity	Cu cable	Min./	AWG	14	14	14	14	14	14
		Max	AWG	8	8	8	2	2	2
Tightening torque		Max	in-lb	14.1	14.1	14.1	26.5	26.5	26.5
				H1 11					
Auxiliary contacts (1 N/O + 1 N/C)									
Pilot duty				P 600					
Heavy pilot duty				A 600					
General use				10 A - 600 VAC					

Dimensions

P1 Surface mounting /I2 - mm

Surface mounting
P1.../I2

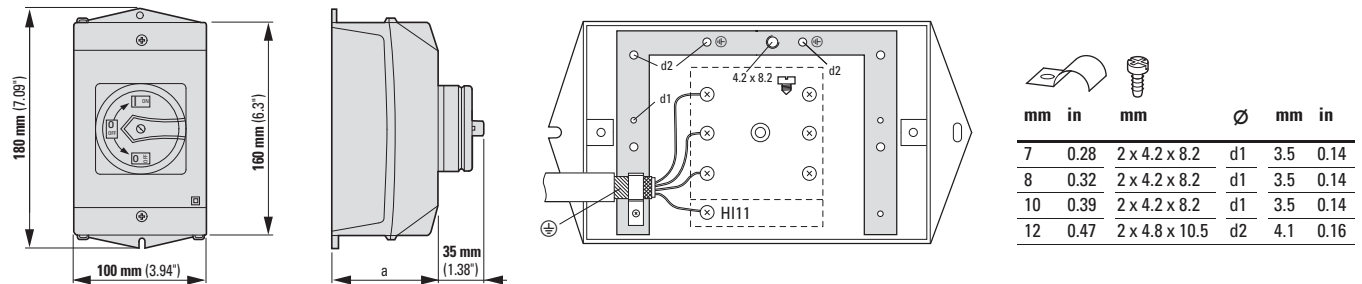
Surface mounting main switches/safety switches
P1.../I2/SVB / P1.../I2/SI



Part no.	a2	a3	a4	a21	a22	a23	a31	a32	a33	b2	b3	b21	b22	b23	b24	b31
P1.../I2	48	49	53.5	65	48	100	15	15	83	48	70	65	17	180	35.5	49

Part no.	c2	c3	c20 ≅/≅	c20 with ≅ 4 ZAV/ZVW	c21	c22	c23	c24	c25	c27	c28	c31	c32	c33
P1...	59	86	96 – 112	212	35	32	65	68	58	35	80	25	25	27

P1 Surface mounting main switch /I2H/MBS/SVB with pre-assembled EMC screen - mm



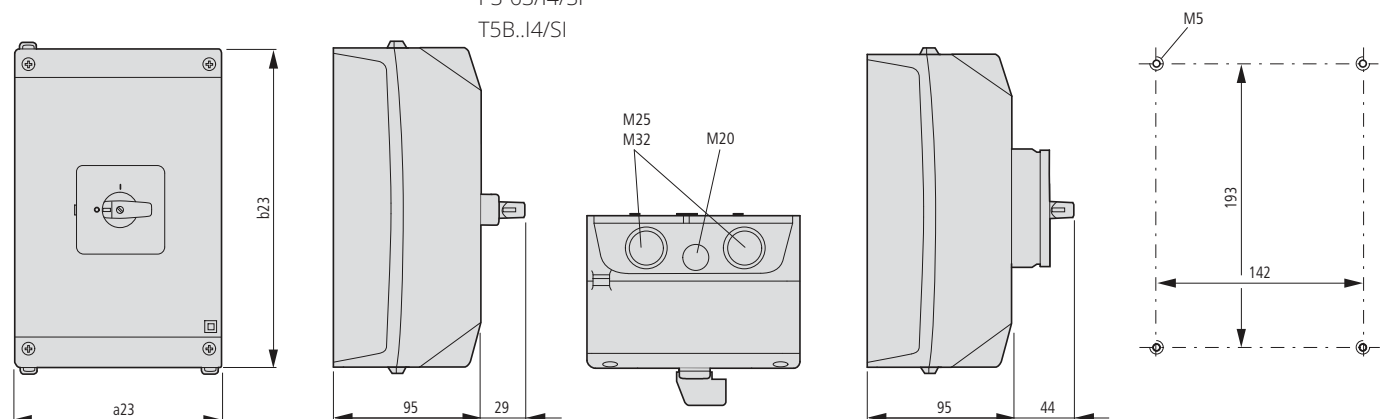
a = 101 mm (3.98")

P3-63 Surface mounting /I4 - mm

Surface mounting
P3-63/I4

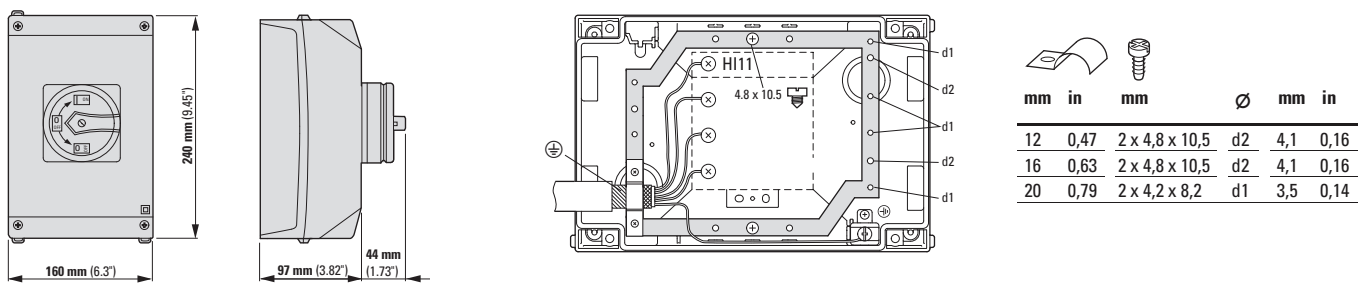
Surface mounting main switches/safety switches
P3-63/I4/SVB
P3-63/I4/SI
T5B..I4/SI

Drilling dimensions



Dimensions

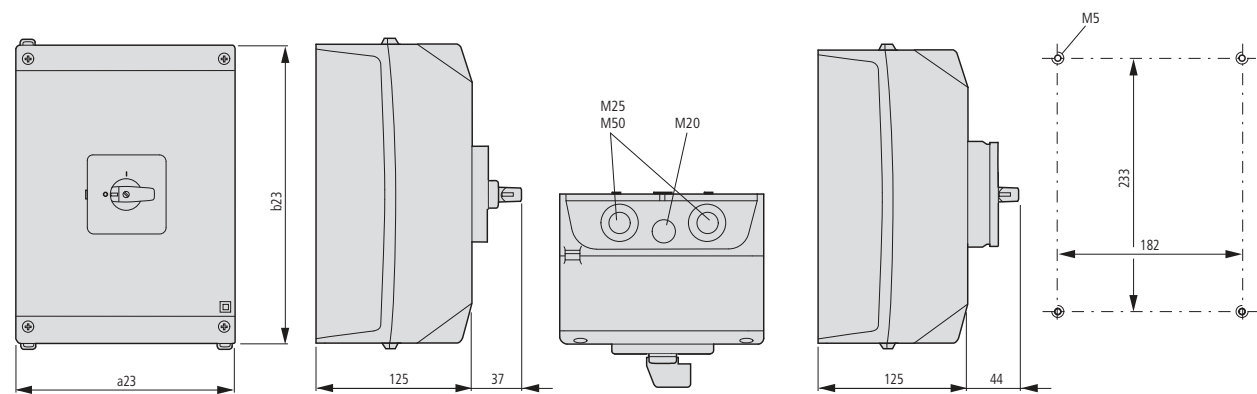
P3 Surface mounting main switch /I4/MBS/SVB with pre-assembled EMC screen - mm



P3-100 Surface mounting /I5 - mm

Surface mounting
P3-100/I5
Surface mounting main switches/safety switches
P3-100/I5/SVB
P3-100/I5/SI
T5-.../I5/SI

Drilling dimensions



Part no.	a2	a3	a4	a21	a22	a23	a31	a32	a33	b2	b3	b21	b22	b23	b24	b31
P3-63/I4	87	72	71.5	87	87	160	18	15	114	87	83	87	27	240	35.5	60
P3-100/I5	87	72	71.5	87	87	200	18	15	114	87	83	87	27	280	35.5	60

Part no.	c2	c3	c20 ≅/≅	c20 with ≤ 4 ZAV/ZVV	c21	c22	c23	c24	c25	c27	c28	c31	c32	c33
P3-63	59	82	103 – 118	218	37	41	63	81	65	44	125	25	25	37
P3-100	59	82	103 – 118	218	37	41	63	81	65	44	125	25	25	37