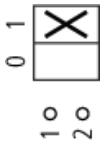
MOELLER

Type: **T5B−1−8200/I4/SVB**
Article No.: **207240**

Ordering information			
Design			Surface mounting
Description			Without auxiliary contacts
Main conducting paths No. of poles		M	1
Auxiliary contacts		N/O	0
Auxiliary contacts		B	0
Max. three−phase motor rating (per set of 3 contacts) 50−60 Hz AC−3 400/415 V 50−60 Hz	*P*	kW	22
Rated uninterrupted current	I_u	A	63
Note for table header			According to IEC/EN 60204−1, VDE 0113 Part 1; with red rotary handle and yellow locking collar, lockable in 0 position

Contact sequence



General			
Standards			IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL Switch−disconnectors to IEC/EN 60947−3 Load−break switches to IEC/EN 60947−3

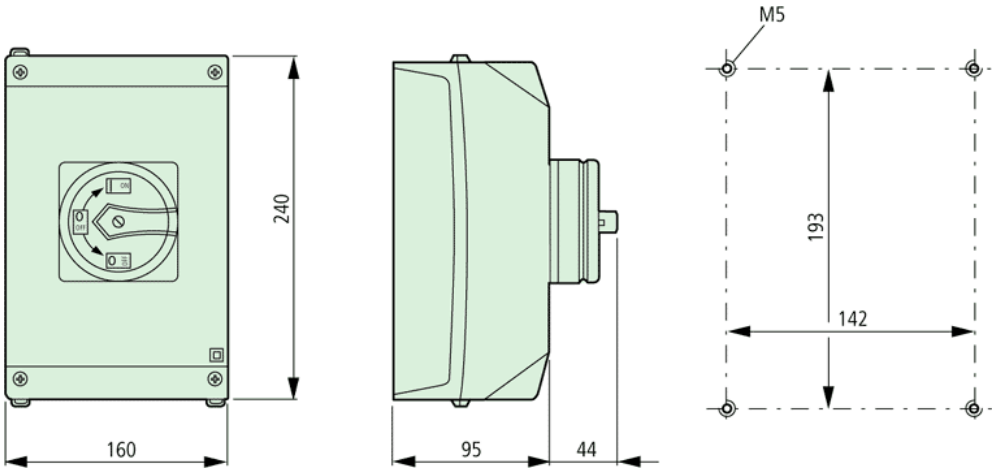
Lifespan, mechanical	Operations	× 10^6	0,5
Maximum operating frequency	Operations/h		3000
Climatic proofing			Damp heat, constant, to IEC 60068−2−78; Damp heat, cyclical, to IEC 60068−2−30
Ambient temperature			
Open		° C	−25/50
Enclosed		° C	−25/40
Mounting position			As required
Documentation			Main catalogue HPL
Mechanical shock resistance (shock duration 20 ms)		g	> 15
Contacts			
Rated operational voltage	U_e	V AC	690
Rated impulse withstand voltage	U_{imp}	V AC	6000
Overvoltage category/pollution degree			III/3
Rated uninterrupted current			
open	I_u	A	63
Enclosed	I_u	A	63
Load−carrying capacity in intermittent operation, Class 12			
AB 25 % DF		× I_e	2
AB 40 % DF		× I_e	1,6
AB 60 % DF		× I_e	1,3
Short−circuit rating			
Fuse		A gG/gL	80
Rated short−time withstand current (1 s current)	I_{cw}	A_{rms}	1300
Safe isolation to VDE 0106 Part 101 and Part 101/A1			
between the contacts		V AC	440
Switching angles		°	90 60 45 30
Contact units			10
Double−break contacts			max. 20
Current heat loss per contact at I_e		W	4,5
Terminal capacities			
Solid or stranded		mm^2	1 × (2.5 – 35)

			2 × (2.5 – 16)
Flexible with ferrule to DIN 46228		mm^2	1 × (1.5 – 25) 2 × (1.5 – 10)
Terminal screw			M6
Tightening torque		Nm	4
Switching capacity			
AC			
Rated making capacity cos = 0.35		A	800
Rated breaking capacity, motor load switch cos = 0.35			
230 V		A	520
400 V		A	600
500 V		A	480
690 V		A	340
Rated operational current 440 V load−break switch AC−21A	I_e	A	63
AC−3 motor load switch motor rating			
230 V	*P*	kW	7,5
230 V Star−delta	*P*	kW	22
400 V	*P*	kW	11
400 V Star−delta	*P*	kW	37
500 V	*P*	kW	22
500 V Star−delta	*P*	kW	37
690 V	*P*	kW	0
690 V Star−delta	*P*	kW	37
AC−23A Motor load switches (main switches maintenance switches)			
230 V	*P*	kW	15
400 V	*P*	kW	22
500 V	*P*	kW	22
690 V	*P*	kW	22
Rated operational current control switch AC−15			
230 V	I_e	A	16
400 V	I_e	A	6
500 V	I_e	A	4
DC			
DC−1, Load−break switches L/R =			

1 ms			
Rated operational current	I_e	A	63
Voltage per contact pair in series		V	60
DC−23A, Motor load switches L/R = 15 ms			
24 V			
Rated operational current	I_e	A	50
Contacts		Quantity	1
48 V			
Rated operational current	I_e	A	50
Contacts		Quantity	2
60 V			
Rated operational current	I_e	A	50
Contacts		Quantity	3
120 V			
Rated operational current	I_e	A	25
Contacts		Quantity	3
240 V			
Rated operational current	I_e	A	20
Contacts		Quantity	6
DC−13, Control switches L/R = 50 ms			
Rated operational current	I_e	A	25
Voltage per contact pair in series		V	24
Control circuit reliability at 24 V DC, 10 mA	Fault probability	H_F	< 10^{-5}, < 1 fault in 100000 operations
Notes			
			For mechanical shock resistance: T3.../I... >12g Applies to T0(3).../SVB: isolating characteristics to IEC/EN 60947 *U*for rated operational voltage up to 500 V AC Applies to rated uninterrupted current I_u of the contact: with T5−4−8344/I5 max. 95 A For terminal capacity solid, stranded and flexible: T0(3), (6), (8)...: Maximum of 2 cross−section sizes difference admissible

			between 2 conductors T5(B)−...: Maximum of 1 cross−section size difference admissible between 2 conductors For type T8−3−8342/... the following applies: switching angle = 90° and flat connection = 1 busbar 25 × 5 or 2 busbars 20 × 3
Dimensions			
			Depth of one contact unit: 16.5 mm
			3 Padlocks
Explaination			For utilisation category AC−4 (extreme load: 100 % inching, reversing or plugging) The blocked rotor current of the motor should not exceed the rated current of the switch for AC−21A to ensure a reasonable device lifespan.

Dimensions



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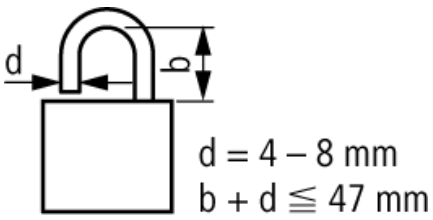
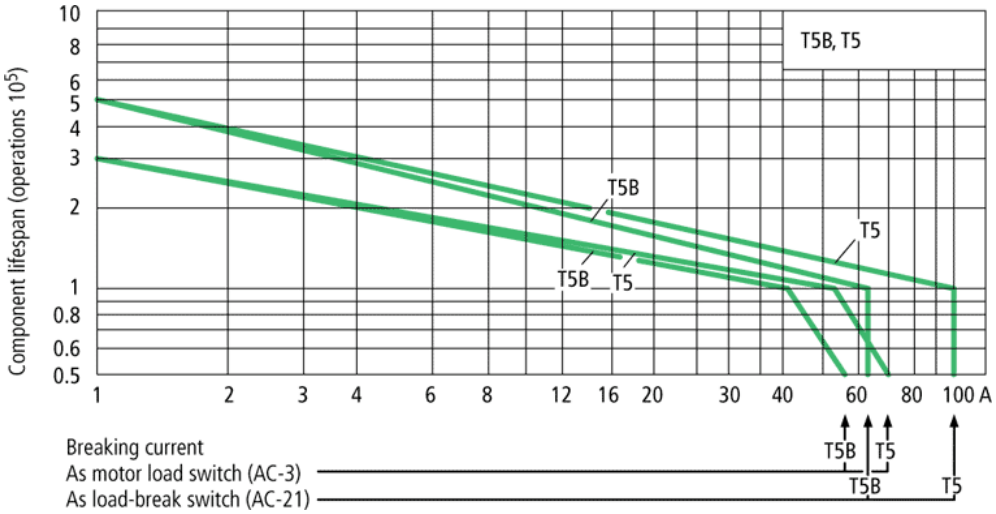


Characteristic curve



Moeller GmbH, Hein−Moeller−Str. 7−11, D−53115 Bonn
E−Mail: catalog@moeller.net, Internet: www.moeller.net, http://catalog.moeller.net