

Group Change-Over Switches

Ex9BT3G



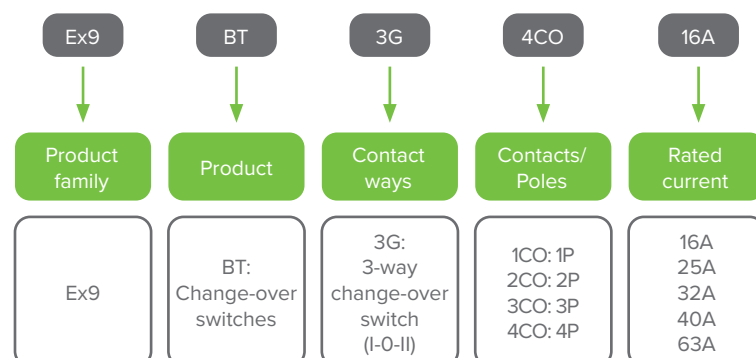
- Group Change-Over Switches
- Meet requirements of IEC EN 60947-3
- Rated current from 16 A to 63 A
- Rated operating voltage 240/415 V AC
- Utilization category AC-22A
- Contact form (I-O-II)
- 1 up to 4-pole versions
- Rated frequency 50/60 Hz

Group Change-Over Switches Ex9BT3G are designed and intended for switching of auxiliary, control, measuring and switching networks. Testing according 60947-3 standard ensure functions na reliability for wide variety of applications. Utilization category AC-22A allows switching under load.

They are available in variants with change-over contacts (CO) from 1 CO up to 4 CO.

Contact form (I-O-II) allows a load to be manually changed from one electrical source to another, without risk of short-circuit.

Type Key



Certification marks



Group Change-Over Switches **Ex9BT3G**

1 Pole, 1 Change-over contact (I-O-II)



Rated current	Contacts	Contacts way	Article No.	Type	Packing
16 A	1 CO	(I-O-II)	113917	Ex9BT3G 1CO 16A	1/12/144
25 A	1 CO	(I-O-II)	113918	Ex9BT3G 1CO 25A	1/12/144
32 A	1 CO	(I-O-II)	113919	Ex9BT3G 1CO 32A	1/12/144
40 A	1 CO	(I-O-II)	113920	Ex9BT3G 1CO 40A	1/12/144
63 A	1 CO	(I-O-II)	114828	Ex9BT3G 1CO 63A	1/12/240

Wiring diagrams

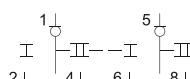


2 Poles, 2 Change-over contacts (I-O-II)



Rated current	Contacts	Contacts way	Article No.	Type	Packing
16 A	2 CO	(I-O-II)	113921	Ex9BT3G 2CO 16A	1/6/72
25 A	2 CO	(I-O-II)	113922	Ex9BT3G 2CO 25A	1/6/72
32 A	2 CO	(I-O-II)	113923	Ex9BT3G 2CO 32A	1/6/72
40 A	2 CO	(I-O-II)	113924	Ex9BT3G 2CO 40A	1/6/72
63 A	2 CO	(I-O-II)	114829	Ex9BT3G 2CO 63A	1/6/120

Wiring diagrams

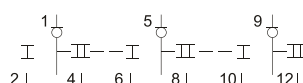


3 Poles, 3 Change-over contacts (I-O-II)



Rated current	Contacts	Contacts way	Article No.	Type	Packing
16 A	3 CO	(I-O-II)	113925	Ex9BT3G 3CO 16A	1/4/48
25 A	3 CO	(I-O-II)	113926	Ex9BT3G 3CO 25A	1/4/48
32 A	3 CO	(I-O-II)	113927	Ex9BT3G 3CO 32A	1/4/48
40 A	3 CO	(I-O-II)	113928	Ex9BT3G 3CO 40A	1/4/48
63 A	3 CO	(I-O-II)	114830	Ex9BT3G 3CO 63A	1/4/80

Wiring diagrams

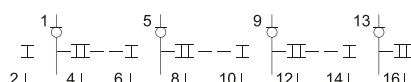


4 Poles, 4 Change-over contacts (I-O-II)



Rated current	Contacts	Contacts way	Article No.	Type	Packing
16 A	4 CO	(I-O-II)	113929	Ex9BT3G 4CO 16A	1/3/36
25 A	4 CO	(I-O-II)	113930	Ex9BT3G 4CO 25A	1/3/36
32 A	4 CO	(I-O-II)	113931	Ex9BT3G 4CO 32A	1/3/36
40 A	4 CO	(I-O-II)	113932	Ex9BT3G 4CO 40A	1/3/36
63 A	4 CO	(I-O-II)	114831	Ex9BT3G 4CO 63A	1/3/60

Wiring diagrams



Technical Data **Ex9BT3G**

Group Change-Over Switches

General parameters

Modular change-over switches for switching of auxiliary, control, measuring and other circuits
Utilization category AC-22A
Contact form (I-O-II) allows a load to be manually changed from one electrical source to another and vice – versa
Suitable for household as well as industrial applications

Electrical parameters

Tested according to	IEC EN 60947-3
Rated op. voltage	240 / 415 V AC
Rated frequency	50/60 Hz
Rated current I _e	16, 25, 32, 40, 63 A
Number of contacts	1, 2, 3, 4
Utilization category	AC-22A
Rated insulation voltage U _i	690 V
Maximum back-up fuse	125 A gG
Mechanical service life	8 500 operation cycles
Electrical service life	1 500 operation cycles

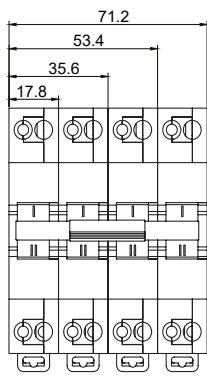
Mechanical parameters

Device width	17.8 mm per pole
Device height	82 mm (88 mm including rail clip) / 94 mm (97 mm including rail clip) for 63 A version
Frame size	45 mm
Mounting	easy fastening onto 35 mm device rail (DIN)
Degree of protection	IP20
Contact form	I-O-II
Terminals	lift
Terminal capacity	2.5 — 16 mm ²
Fastening torque of terminals	2.5 Nm
Ambient temperature	-5 — +40 °C
Altitude	≤ 2000 m
Relative humidity	≤ 95 %
Resistance to humidity and heat	class 2
Pollution degree	2
Installation class	III
Weight	0.073 kg (1 pole), 0.145 kg (2 pole), 0.218 kg (3 pole), 0.289 kg (4 pole)

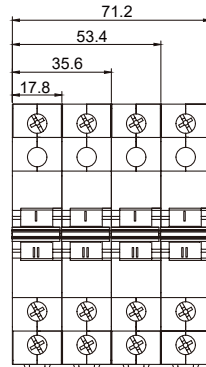
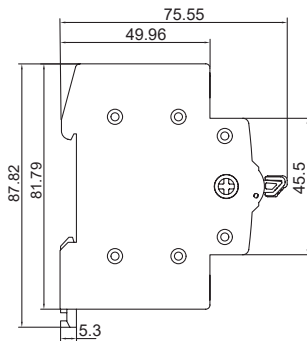
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Group Change-Over Switches

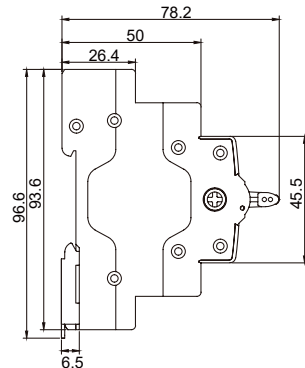
Dimensions



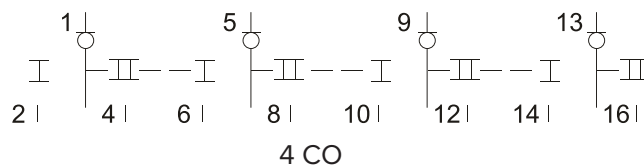
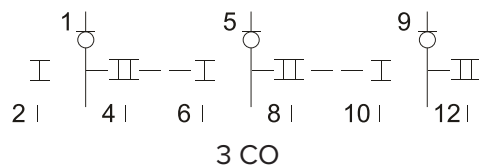
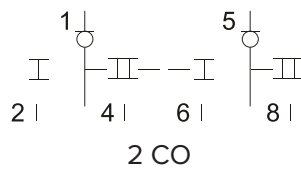
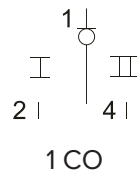
16-40A



63A



Wiring diagrams



Power loss

Poles	Rated current (A)				
	16 A	25 A	32 A	40 A	63 A
1P	0.3 W	0.7 W	1.2 W	1.8 W	7.8 W
2P	0.6 W	1.4 W	2.4 W	3.6 W	15.6 W
3P	0.9 W	2.1 W	3.6 W	5.4 W	23.4 W
4P	1.2 W	2.8 W	4.8 W	7.2 W	31.2 W