

ZBK

Switch base mounting ø 22 door clutch padlockable handle IP66

3P - 3P+N

Size 0

A 20|25|40|63|80|125



	CODE - 20A	CODE - 25A	CODE - 40A	CODE - 63A	CODE - 80A	CODE - 125A
64	3P ZBK20VZVHN4A3	3P ZBK25VZVHN4A3	3P ZBK40VZVHN4A3	3P ZBK63VZVHN4A3	3P ZBK80VZVHN4A3	3P ZBK125VZVHN4A3
	3P+N ZBK20VZVHN4A4	3P+N ZBK25VZVHN4A4	3P+N ZBK40VZVHN4A4	3P+N ZBK63VZVHN4A4	3P+N ZBK80VZVHN4A4	3P+N ZBK125VZVHN4A4
48	3P ZBK20VZVH4A3	3P ZBK25VZVH4A3	3P ZBK40VZVH4A3	3P ZBK63VZVH4A3	3P ZBK80VZVH4A3	3P ZBK125VZVH4A3
	3P+N ZBK20VZVH4A4	3P+N ZBK25VZVH4A4	3P+N ZBK40VZVH4A4	3P+N ZBK63VZVH4A4	3P+N ZBK80VZVH4A4	3P+N ZBK125VZVH4A4
	3P ZBK25VZVHN1A3	3P ZBK40VZVHN1A3	3P ZBK63VZVHN1A3	3P ZBK80VZVHN1A3	3P ZBK125VZVHN1A3	
	3P+N ZBK25VZVHN1A4	3P+N ZBK40VZVHN1A4	3P+N ZBK63VZVHN1A4	3P+N ZBK80VZVHN1A4	3P+N ZBK125VZVHN1A4	
	3P ZBK25VZVH1A3	3P ZBK40VZVH1A3	3P ZBK63VZVH1A3	3P ZBK80VZVH1A3	3P ZBK125VZVH1A3	
	3P+N ZBK25VZVH1A4	3P+N ZBK40VZVH1A4	3P+N ZBK63VZVH1A4	3P+N ZBK80VZVH1A4	3P+N ZBK125VZVH1A4	

Technical information



According to VDE 0660, IEC/EN 60947-3, IEC/EN 60947-5-1

			20	25	40	63	80	125
Rated thermal current	Ith	A	20	25	40	63	80	125
Rated thermal current enclosed	Ithe	A	20	25	40	63	80	110
Rated insulation voltage	Ui	V	690	690	690	690	690	1000
Rated impulse withstand voltage	Uimp	kV	6	6	6	6	6	8
AC rated operational current	Ie	AC21A	A	20	25	40	63	80
Making capacity	Ieff	3x380-440V	A	160	190	300	370	440
Breaking capacity		3x220-240V	A	160	180	250	330	380
		3x380-440V	A	160	180	250	330	380
		3x660-690V	A	80	110	170	190	220
Direct switching motors	AC3	3x400V	A	12	16	30	37	45
	AC3	3x220-240V	kW	3	4	7,5	11	15
		3x380-440V	kW	5,5	7,5	15	18,5	22
		3x660-690V	kW	5,5	7,5	15	18,5	22
Main & safety switch	AC23	3x400V	A	16	20	32	45	55
	AC23A	3x220-240V	kW	4	5,5	9	15	20
	AC23B	3x380-440V	kW	7,5	10	16	22	28
		3x660-690V	kW	5,5	7,5	15	18,5	22
Rated conditional short-circuit current	kAeff		10	10	10	10	10	10
Max. fuse size	gL(gG)	A	25	35	50	63	80	125
Rated short-time withstand current (1sec. current)	Icw	A	250	300	500	600	850	1500
Mechanical life		x10 ³	200	200	200	100	100	100
Connecting capacity								
Solid or stranded cable		mm ²	0,5-10		1-25 *		4-50	
		AWG	20-8 (10)		16-4 (10)		10-0 (10)	
Flexible cable		mm ²	0,5-6		4-16 *		10-35	
		AWG	20-10		16-6		8-2	
Size of terminal screw			M3,5		M5		M6	
Tightening torque		Nm	0,8-1,7		2-4		3,5-4,5	

According to UL & cUL FILE NO. E123623

			20	25	40	63	80	125
Rated voltage	V		600	600	600	600	600	600
Ampere-Rating "General use"	A		20	25	40	63	80	125
DOL-Rating 3-phase	HP		1	1,5	2	3	5	15
	110-220V							
	220-240V							
	440-480V							
	550-600V							
DOL-Rating 1-phase	HP		1	1	1	2	2	7,5
	110-120V							
	200-208V							
	220-240V							
Fuse size (RKS)	A		40	50	70	90	110	125
5kA / 600V	A		40	50	50	70	70	125
Tightening torque	Nm		1,2-2,3	1,2-2,3	1,2-2,3	2,8-4	2,8-4	1,7-4,5
	lb.inch		11-20	11-20	11-20	24-35	24-35	15-40

*1) ZBK63...U trenzado 16 mm² / flexible 10 mm²

Accessories



Auxiliary contacts

1NO+1NC
A 20
125CODE
ZBK1H111NO+1NC overlapping
A 20
125CODE
ZBK1H11X

PE - Terminal

A 20
80CODE
ZBKPE80V

N - Terminal

A 20
40CODE
ZBKN40VA 63
80CODE
ZBKN80V

N - Fixed neutral

A 20
80CODE
ZBKPEN80V

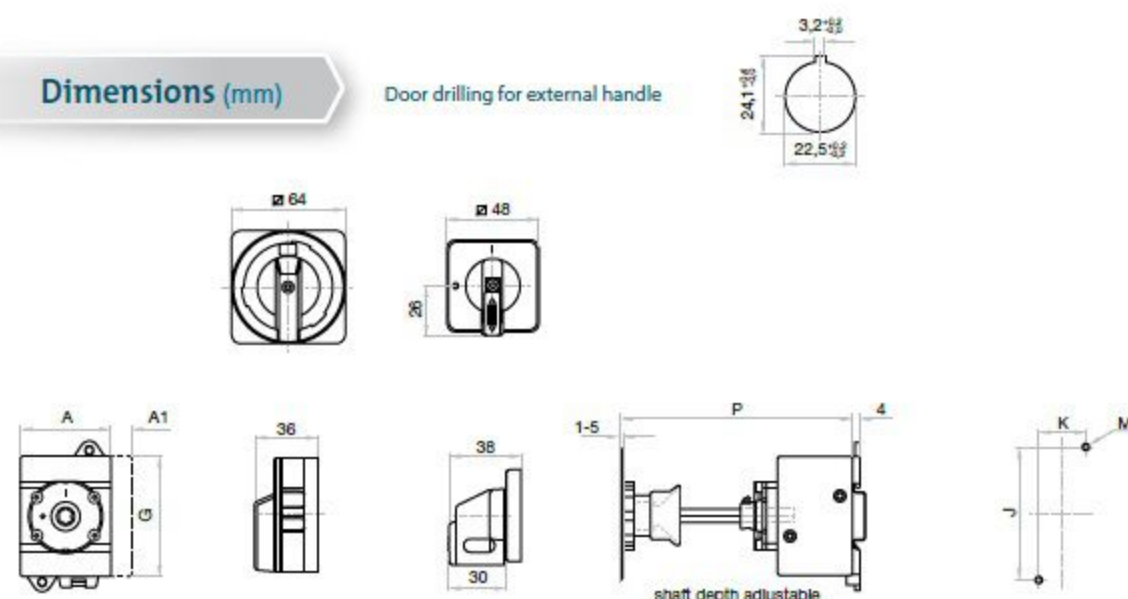
Auxiliary contacts technical information

Rated insulation voltage	Ui	V	690
Rated thermal current	Ith - Ithe	A	10
Switching capacity	AC15	220-240V	A
	AC15	380-440V	A
Rated conditional short-circuit current	kAeff		3
Max. short circuit protection	gL(gG)	A	10

Connecting capacity		
Solid or stranded cable	mm ²	0,75-2,5
	AWG	14-12
Flexible cable	mm ²	0,75-2,5 (1,5)
(+ multicore cable end)	AWG	18-14

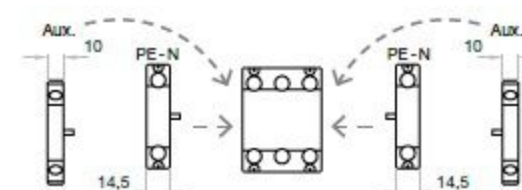
Dimensions (mm)

Door drilling for external handle



Auxiliary contacts

A1



	3P	4P				P
	A	A	G	J	K	min max
20 - 40 A	48	48	64	70	25	91 190
63 - 80 A	48	62,5	64	70	25	91 190
125 A	78	78	85	90	38	95 190

>> Other options also available on request:
- Products with customized shaft dimensions
- Terminal shrouds