

ZBK

Switch door mounting with 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	ZBK20EHN4A3	ZBK25EHN4A3	ZBK40EHN4A3	ZBK63EHN4A3	ZBK80EHN4A3	ZBK125EHN4A3
	3P + N	ZBK20EHN4A4	ZBK25EHN4A4	ZBK40EHN4A4	ZBK63EHN4A4	ZBK80EHN4A4	ZBK125EHN4A4
	3P	ZBK20EH4A3	ZBK25EH4A3	ZBK40EH4A3	ZBK63EH4A3	ZBK80EH4A3	ZBK125EH4A3
	3P + N	ZBK20EH4A4	ZBK25EH4A4	ZBK40EH4A4	ZBK63EH4A4	ZBK80EH4A4	ZBK125EH4A4
48	3P	ZBK20EHN1A3	ZBK25EHN1A3	ZBK40EHN1A3	ZBK63EHN1A3	ZBK80EHN1A3	-
	3P + N	ZBK20EHN1A4	ZBK25EHN1A4	ZBK40EHN1A4	ZBK63EHN1A4	ZBK80EHN1A4	-
	3P	ZBK20EH1A3	ZBK25EH1A3	ZBK40EH1A3	ZBK63EH1A3	ZBK80EH1A3	-
	3P + N	ZBK20EH1A4	ZBK25EH1A4	ZBK40EH1A4	ZBK63EH1A4	ZBK80EH1A4	-

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	125
Making capacity	Ieff	3x380-440V	A	160	190	300	370	440	850
Breaking capacity		3x220-240V	A	160	180	250	330	380	680
		3x380-440V	A	160	180	250	330	380	680
		3X660-690V	A	80	110	170	190	220	420
Direct switching motors	AC3	3x400V	A	12	16	30	37	37	72
	AC3	3x220-240V	kW	3	4	7,5	11	11	22
		3x380-440V	kW	5,5	7,5	15	18,5	18,5	37
		3x660-690V	kW	5,5	7,5	15	18,5	18,5	30
Main & safety switch	AC23	3x400V	A	16	20	32	45	45	85
	AC23A	3x220-240V	kW	4	5,5	9	15	15	30
	AC23B	3x380-440V	kW	7,5	10	16	22	22	45
		3x660-690V	kW	5,5	7,5	15	18,5	18,5	37
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 *(1)		4-50	
		AWG	20-8 (10)			16-4 (10)		10-0 (10)	
Flexible cable		mm ²	0,5-6			4-16 *(1)		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								
	110-220V	HP	1	1,5	2	3	5	15
	220-240V	HP	3	5	5	10	10	30
	440-480V	HP	7,5	10	10	20	20	60
	550-600V	HP	10	10	15	25	25	60
DOL-Rating 1-phase								
	110-120V	HP	1	1	1	2	2	7,5
	200-208V	HP	1	2	2	3	3	10
	220-240V	HP	2	2	3	5	5	15
Fuse size (RK5)	Manual Motor Controller	A	40	50	70	90	110	125
5kA / 600V	Motor Disconnect	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

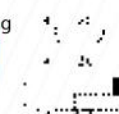


Auxiliary contacts

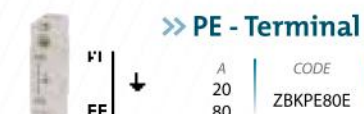
1NO+1NC
A 20
125
CODE
ZBK1H11



1NO+1NC overlapping
A 20
125
CODE
ZBK1H11X



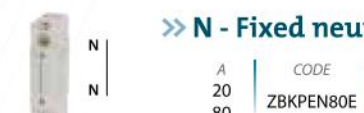
PE - Terminal



N - Terminal



N - Fixed neutral



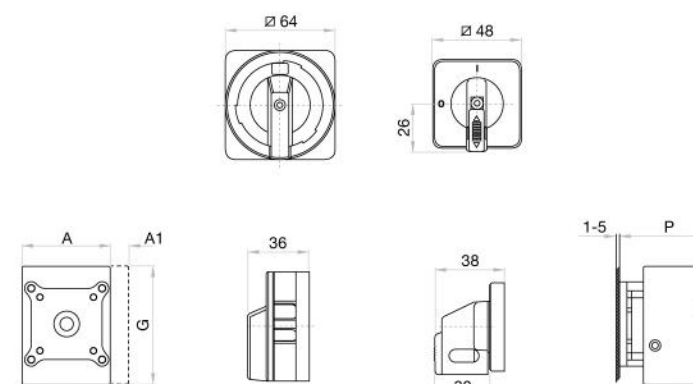
Auxiliary contacts technical information

Rated insulation voltage	Ui	V	690	
Rated thermal current	Ith - Ithe	A	10	
Switching capacity	AC15	220-240V	A	2,5
	AC15	380-440V	A	1,5
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 (+ multicore cable end)	mm ²	0,75-2,5 (1,5)
	AWG	18-14

Dimensions (mm)

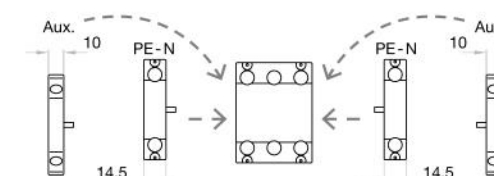
Door drilling for external handle



	3P	4P			
	A	A	E	G	P
20-80 A □ 48	48	62,5	36	64	54
20-80 A □ 64	48	62,5	48	64	54
125 A □ 64	78	78	48	85	60

Auxiliary contacts

A1



» Other options also available on request:
- Products external mounting fixing ø 22
- Terminal shrouds