



Rotary cam switches

N *series*

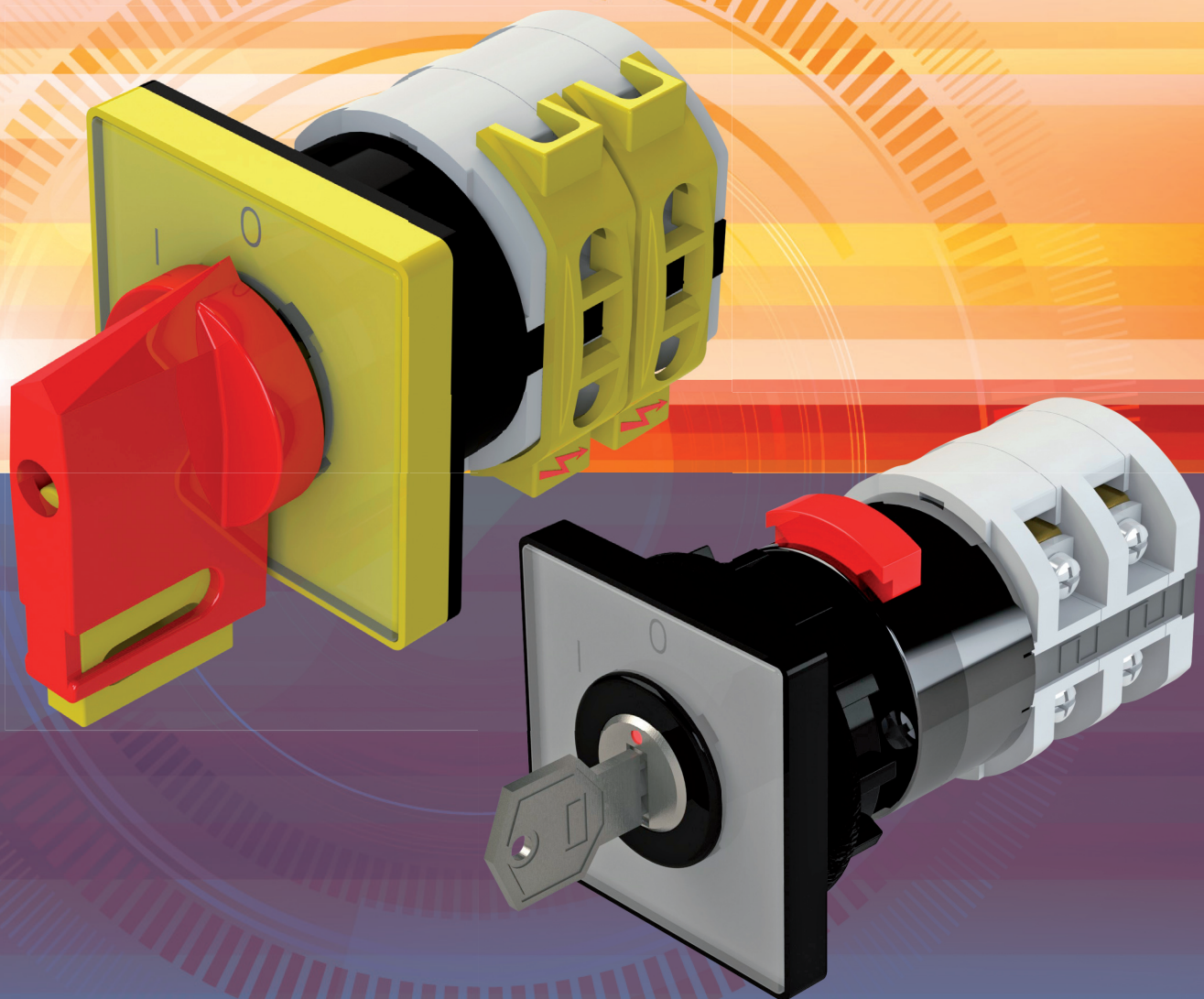
Authorized Distributor:

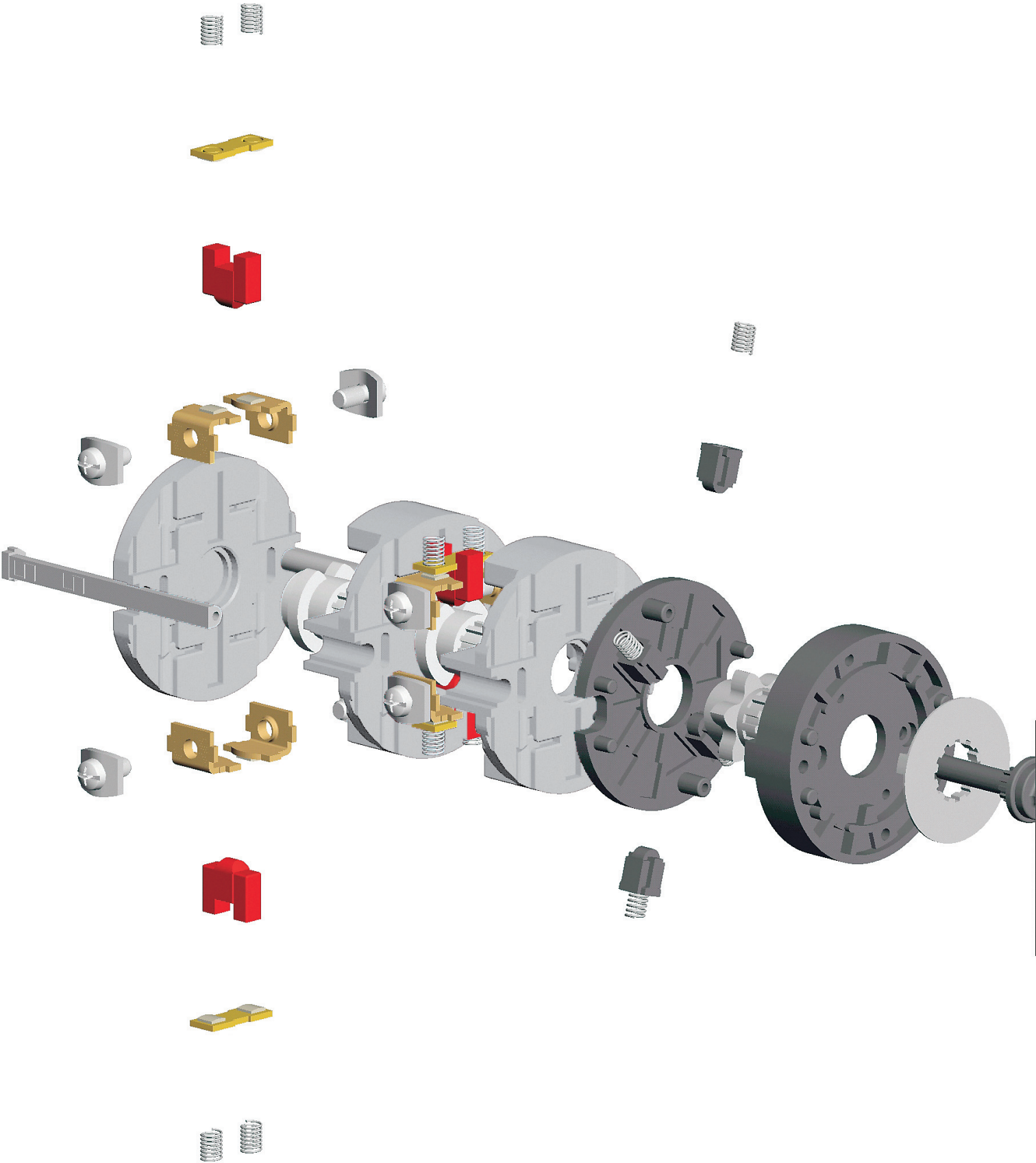
WESCHLER INSTRUMENTS

phone: 800-903-9870 440-378-6580

fax: 800-903-9590 440-238-0660

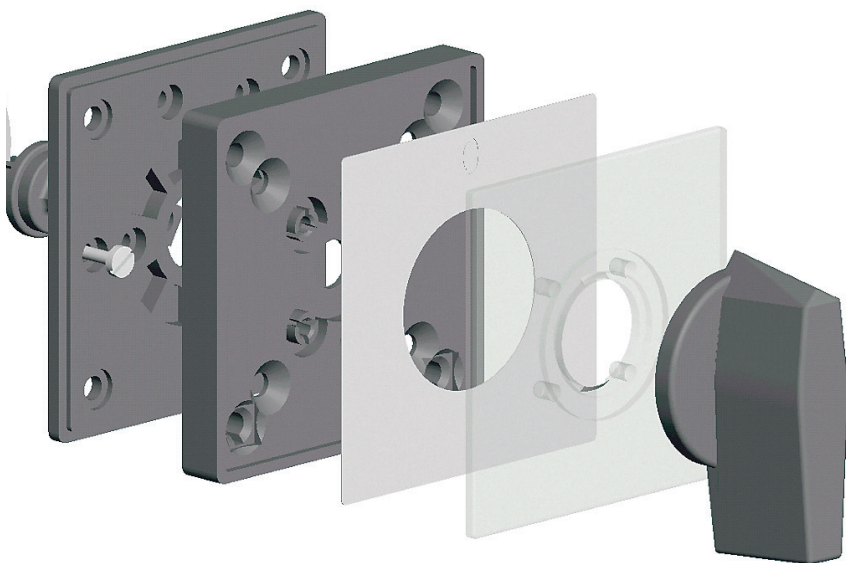
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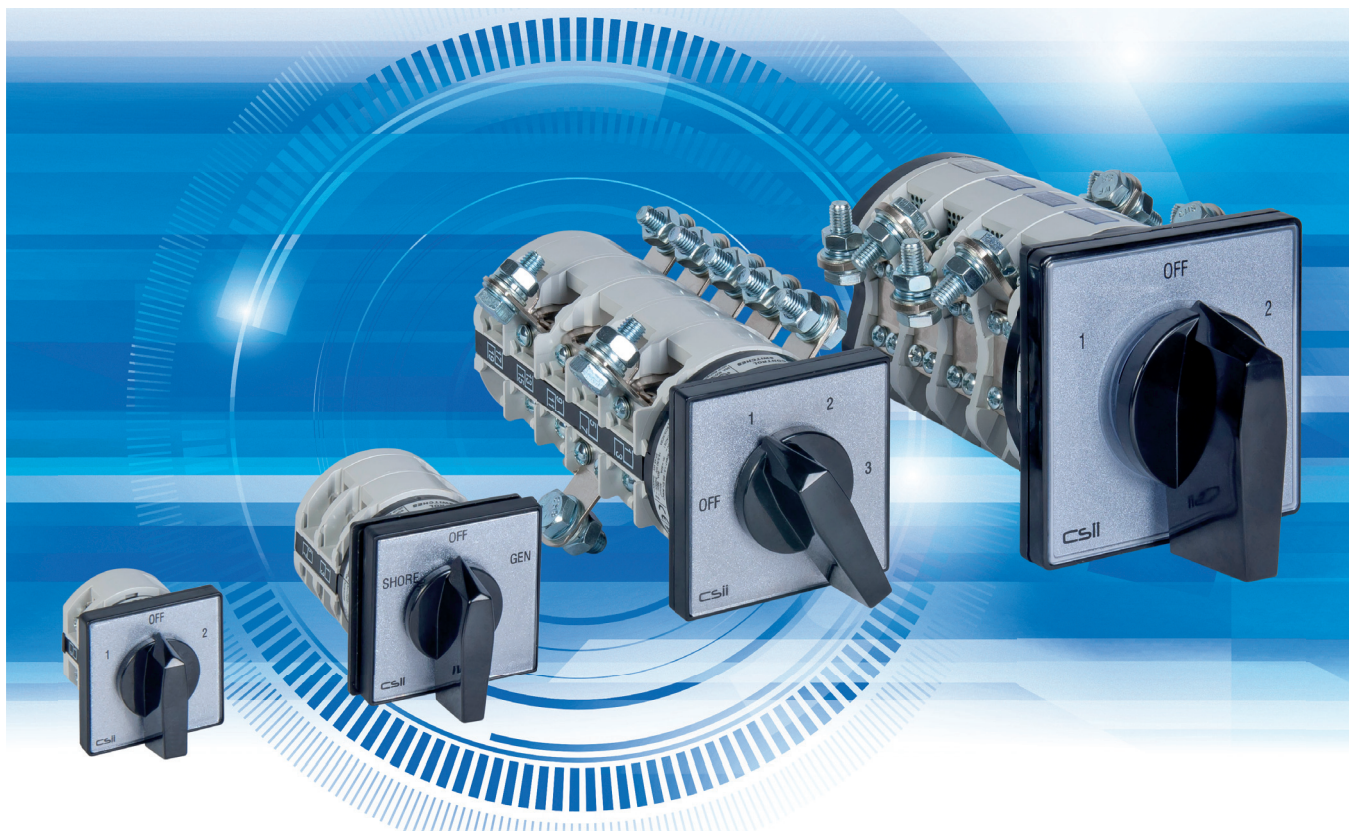




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ROTARY CAM SWITCHES series N

Rotary cam switches series N have been developed to the latest achievements in the field of switching devices through the application of high quality insulation materials and contacts made with silver alloys. Their advantages are: high making and breaking capacities, electrical and mechanical endurance and small dimensions. The rotary cam switches are intended for multiple switching operations in main as well as in auxiliary circuits:

- as motor switches they are designed for direct-online starting and stopping of single-phase and three-phase motors. They also come out as star-delta switches, reversing switches, pole-change over motor switches
- in auxiliary circuits they are assembled in compliance with the switching program according to preference: switches for control, signalling and measuring circuits:
- switches, selector switches and step switches e.g. for transformers and welding apparatuses
- group switches e.g. for switching operations of resistors and heaters
- control switch with automatic return

The rotary cam switches can have 12 control positions and 12 switching elements (24 contacts) maximum and can be made with turning angle of 30°, 45°, 60° and 90°.

At the switches with the increased turn-over moment (large number of elements with specific switching diagram, switch with automatic return with larger number of contacts), due to more reliable operation, the switches with the bigger distribution device, **marked with B**, are used (e.g. N20B).

At the switches where is front part bigger than standard size required, the switches are **marked with H** (e.g. N20H).

When the switches are used at lower voltages than 24 V and currents of mA in dusty and aggressive environment, the contacts can be gold-plated.

The switches can be used at the environment temperature from - 25° C to + 55° C.

Besides the standard mounting forms U, O, P, the switches are available with a large number of optional extras and they comply with all requirements in the most complicated plants and devices.

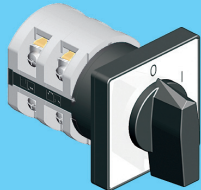
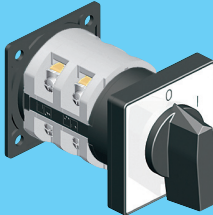
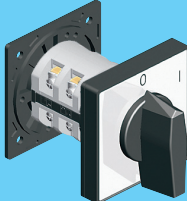
Rotary cam switches series N comply with many international and national standards such as:

IEC 60947, IEC 60204, DIN EN 61058, UL 508, C 22.2 No. 14 and many others.

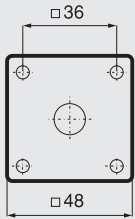
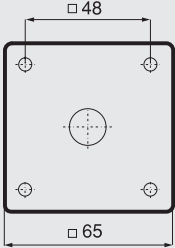
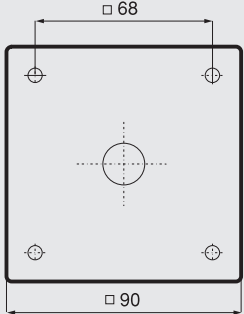
SWITCH TYPE				N12 N12H	N20 N20H	N25 N25H	N32 N32H	N40 N40H	N63 N63H	N80	N125
Rated insulation voltage	(1)	U _i	IEC/VDE/BS	V	690	690	690	690	690	690	690
			UL/CSA	V	600	600	600	600	600	600	600
Rated impulse withstand voltage		U _{imp}	IEC-60947 (III/3)	kV	6	6	6	6	6	8	8
Rated thermal current		I _{th}	IEC/VDE/BS	A	16	20	25	32	40	63	80
			UL/CSA	A	15	20	30	40	50	60	85	130
Main switch											
IEC-60947 (III/3)	(1)	Max. value of rated operational voltage		V	480	480	480	480	480	480	690
		Rated impulse withstand voltage		kV	4	4	4	4	4	4	6
Max. fuse size for short circuit protection	I _n (gG/gL)	10 kA	A	16	20	25	32	40	63	125	125
		25 kA	A	10	16	25	32	40	63	100	100
		50 kA	A	-	-	-	32	40	63	100	100
		63 kA	A	-	-	-	-	40	63	100	100
Rated short-time withstand current	I _{cw}	1 sec	A	200	250	400	800	1000	1600	2100	2100
		3 sec	A	120	150	250	400	600	800	1300	1300
		10 sec	A	70	80	150	250	300	400	700	700
		30 sec	A	40	50	100	160	200	250	400	400
		60 sec	A	30	40	80	125	130	160	300	300
Rated operational current	I _e	AC1/AC21A IEC/VDE/BS	A	12	20	25	32	40	63	80	125
		110 V	A	10	10	16	25	25	32	40	40
		220/230 V	A	8	8	12	20	22	25	28	28
		380/400 V	A	4	6	8	10	12	15	15	15
		660/690 V	A	1,5	1,5	2	2	2	4	5	5
Motor switch in utilization category	AC3	IEC/VDE/BS 3 phase	220/230 V	kW	2,5	3	5,5	7,5	8	11	15
			380-440 V	kW	4	5,5	7,5	11	15	18,5	33
			500-690 V	kW	5,5	5,5	7,5	11	15	18,5	33
		1 phase, 2 pole	110 V	kW	0,8	0,8	1,5	2,2	3	3,7	4,4
			220/230 V	kW	1,5	2,2	3	4	6,5	6,5	10
			380-440 V	kW	2,2	3	5,5	6,5	8	11,5	11
	AC23A	IEC/VDE/BS 3 phase	220/230 V	kW	3	5	6,5	8	8	12,5	25
			380-440 V	kW	5,5	7,5	11	15	18,5	30	40
			500-690 V	kW	7,5	7,5	11	18,5	22	30	33
		1 phase, 2 pole	110 V	kW	0,8	0,8	1,5	2,2	3	3,7	4,4
			220/230 V	kW	1,7	2,5	3,7	4	6	7,5	10
			380-440 V	kW	3	3,7	5,5	7,5	11	12,5	11
Motor switch	DOL	UL/CSA 3 phase	120 V	HP	1,5	1,5	3	5	5	7,5	10
			240 V	HP	3	3	5	10	10	15	20
			480 V	HP	-	-	10	15	20	25	40
			600 V	HP	-	-	15	15	20	25	40
DC Switching capacity	DC21A T=1 ms	Rated current for 1 contact	48 V	A	12	20	25	32	40	63	80
			60 V	A	12	20	25	32	40	50	80
			110 V	A	4	4	4	6	6	8	10
			220 V	A	0,6	0,6	0,7	0,9	0,9	1	-
			440 V	A	0,25	0,25	-	-	-	-	-
	DC23 T=15 ms	Rated current, (Number of series contacts) I _e	24 V	A	10(1)	20(1)	25(1)	32(1)	40(1)	50(1)	80(1)
			48 V	A	10(2)	20(2)	25(2)	32(2)	40(2)	50(2)	80(2)
			60 V	A	10(3)	20(3)	25(3)	32(3)	40(3)	50(3)	80(3)
			110 V	A	5(3)	10(3)	12(3)	15(3)	20(3)	25(3)	50(3)
			220 V	A	5(4)	8(4)	10(4)	12(4)	12(4)	15(4)	20(4)
	DC13 T=50 ms	Rated current for 1 contact	48 V	A	10	16	20	25	32	40	80
			60 V	A	8	12	16	16	16	28	50
			110 V	A	1	1	1,5	3	3	3,3	4
			220 V	A	0,4	0,4	0,4	0,5	-	-	-
			440 V	A	0,15	0,15	-	-	-	-	-
	Mechanical durability			Switching cycles		3x10 ⁶	5x10 ⁶	5x10 ⁶	5x10 ⁶	5x10 ⁶	1x10 ⁶	1x10^{6}
Terminal screw			M	3	3	3,5	4	4	5	2 x 5	2 x 5
Conductor size	max. r/f		2x $\frac{\text{mm}^2}{\text{AWG}}$	2,5/2,5 12/14	2,5/2,5 12/14	4/4 10/12	6/4 8/10	10/6 8/10	16/10 6/8	70/50 2/0/1/0	70/50 2/0/1/0
			2x $\frac{\text{mm}^2}{\text{AWG}}$	0,5/0,5 20/20	0,5/0,5 20/20	0,5/0,5 20/20	1,5/1,5 16/16	1,5/1,5 16/16	2,5/2,5 14/14	2,5/2,5 14/14	

(1) valid for neutral earthed systems, overvoltage category III, pollution degree 3.

STANDARD MOUNTING FORMS

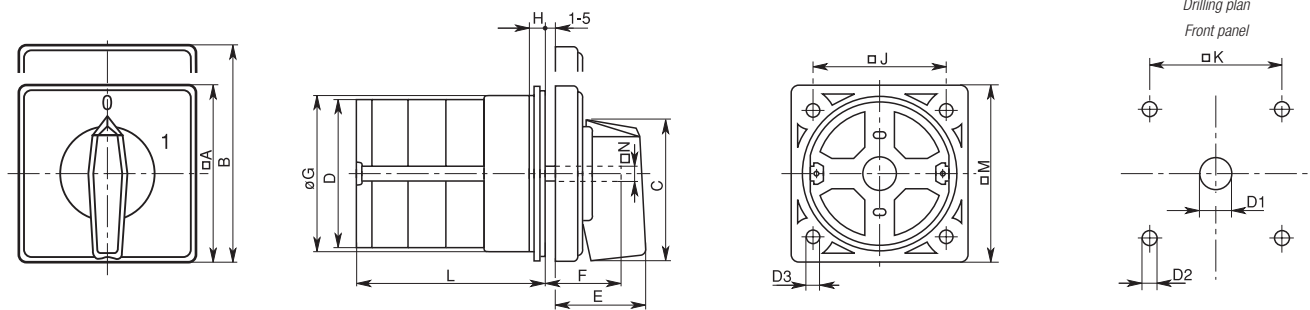
Mounting form	Marking	Protection		Type	Size	Outlook
		Front	Rear			
Front mounting	U	IP 40	IP 00	N12 N20 N25 N32 N40 N63 N80/N125	A0 A0 A0 A1 A1 A1 A2	
Front mounting with the bigger front part i.e. mounting size	U	IP 40	IP 00	N12H N20H N25H N32H N40H N63H	A1 A1 A1 A2 A2 A2	
Rear mounting	O	IP 40	IP 00	N12 N20 N25 N32 N40 N63 N80/N125	A0 A0 A0 A1 A1 A1 A2	
Rear mounting with the bigger front part i.e. mounting size	O	IP 40	IP 00	N12H N20H N25H N32H N40H N63H	A1 A1 A1 A2 A2 A2	
Switch in plastic casing	P	IP65 IP65 IP65 IP65 IP65 IP65		N12 N20 N25 N32 N40 N63 N80/N125		

MOUNTING SIZES

A0	A1	A2
N12 N20 N25 	N32 N40 N63 N12H N20H N25H 	N80 N125 N32H N40H N63H 

DIMENSIONAL DRAWINGS (mm)

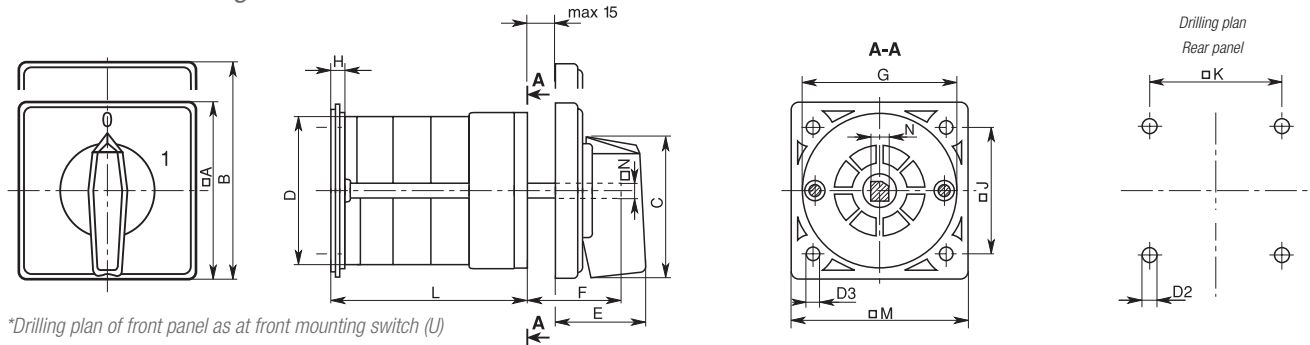
U - Front mounting



Type	Marking															L Number of elements											
	□A	B	C	D	D1	D2	D3	E	F	∅G	H	□J	□K	□M	□N	1	2	3	4	5	6	7	8	9	10	11	12
N12	48	60	39,5	39	12	5	4,3	26,5	23,5	38	5	36	36	48	6	33,1	42,8	52,5	62,2	71,9	81,6	91,3	101	110,7	120,4	130,1	139,8
N12H	65	80	53	39	12	5	4,3	34,5	23,5	38	5,5	48	48	65	6	33,6	43,3	53	62,7	72,4	82,1	91,8	101,5	111,2	120,9	130,6	140,3
N20	48	60	39,5	39	12	5	4,3	26,5	23,5	38	5	36	36	48	6	33,1	42,8	52,5	62,2	71,9	81,6	91,3	101	110,7	120,4	130,1	139,8
N20H	65	80	53	39	12	5	4,3	34,5	23,5	38	5,5	48	48	65	6	33,6	43,3	53	62,7	72,4	82,1	91,8	101,5	111,2	120,9	130,6	140,3
N25	48	60	39,5	43	12	5	4,3	26,5	23,5	38	5	36	36	48	6	37,5	51,1	64,7	78,3	91,9	105,5	119,1	132,7	146,3	159,9	173,5	187,1
N25H	65	80	53	43	12	5	4,3	34,5	23,5	38	5,5	48	48	65	6	38	51,6	65,2	78,8	92,4	106	119,6	133,2	146,8	160,4	174	187,6
N32	65	80	53	56	14	5	4,3	34,5	26	58,5	5,5	48	48	65	7	40,9	54,5	68,1	81,7	95,3	108,9	122,5	136,1	149,7	163,3	176,9	190,5
N32H	90	110	70,5	56	14	6	5,3	41,5	36	58,5	7,5	68	68	90	7	41,6	55,2	68,8	82,4	96	109,6	123,2	136,8	150,4	164	177,6	191,2
N40	65	80	53	58	14	5	4,3	34,5	26	58,5	5,5	48	48	65	7	43,5	58,6	73,7	88,8	103,9	119	134,1	149,2	164,3	179,4	194,5	209,6
N40H	90	110	70,5	58	14	6	5,3	41,5	36	58,5	7,5	68	68	90	7	44,2	59,3	74,4	89,5	104,6	119,7	134,8	149,9	165	180,1	195,2	210,3
N63	65	80	53	62	14	5	4,3	34,5	26	58,5	5,5	48	48	65	7	47,3	65,4	83,5	101,6	119,7	137,8	155,9	174	192,1	210,2	228,3	246,4
N63H	90	110	70,5	62	14	6	5,3	41,5	36	58,5	7,5	68	68	90	7	48	66,1	84,2	102,3	120,4	138,5	156,6	174,7	192,8	210,9	229	247,1
N80/N125	90	110	70,5	86	16	6	5,3	41,5	28	84	7,5	68	68	90	9	67,3	96,4	125,5	154,6	183,7	220,3	249,4	278,5	307,6	336,7	365,8	394,9

*At the switch N125 with 6 and more elements the front plate is mounted also at the back side

O - Rear mounting



*Drilling plan of front panel as at front mounting switch (U)

Type	Marking															L Number of elements											
	□A	B	C	D	D2	D3	E	F	∅G	H	□J	□K	□M	□N	1	2	3	4	5	6	7	8	9	10	11	12	
N12	48	60	39,5	39	5	4,3	26,5	32	38	5	36	36	48	6	38,1	47,8	57,5	67,2	76,9	86,6	96,3	106	115,7	125,4	135,1	144,8	
N12H	65	80	53	39	5	4,3	34,5	32	38	5,5	48	48	65	6	38,6	48,3	58	67,7	77,4	87,1	96,8	106,5	116,2	125,9	135,6	145,3	
N20	48	60	39,5	39	5	4,3	26,5	32	38	5	36	36	48	6	38,1	47,8	57,5	67,2	76,9	86,6	96,3	106	115,7	125,4	135,1	144,8	
N20H	65	80	53	39	5	4,3	34,5	32	38	5,5	48	48	65	6	38,6	48,3	58	67,7	77,4	87,1	96,8	106,5	116,2	125,9	135,6	145,3	
N25	48	60	39,5	43	5	4,3	26,5	32	38	5	36	36	48	6	42,5	56,1	69,7	83,3	96,9	110,5	124,1	137,7	151,3	164,9	178,5	192,1	
N25H	65	80	53	43	5	4,3	34,5	32	38	5,5	48	48	65	6	43	56,6	70,2	83,8	97,4	111	124,6	138,2	151,8	165,4	179	192,6	
N32	65	80	53	56	5	4,3	34,5	36	58,5	5,5	48	48	65	7	45,9	59,5	73,1	86,7	100,3	113,9	127,5	141,1	154,7	168,3	181,9	195,5	
N32H	90	110	70,5	56	6	5,3	41,5	36	58,5	7,5	68	68	90	7	46,6	60,2	73,8	87,4	101	114,6	128,2	141,8	155,4	169	182,6	196,2	
N40	65	80	53	58	5	4,3	34,5	36	58,5	5,5	48	48	65	7	48,5	63,6	78,7	93,8	108,9	124	139,1	154,2	169,3	184,4	199,5	214,6	
N40H	90	110	70,5	58	6	5,3	41,5	36	58,5	7,5	68	68	90	7	49,2	64,3	79,4	94,5	109,6	124,7	139,8	154,9	170	185,1	200,2	215,3	
N63	65	80	53	62	6	5,3	34,5	36	58,5	7,5	68	68	90	7	54,3	72,4	90,5	108,6	126,7	144,8	162,9	181	199,1	217,2	235,3	253,4	
N63H	90	110	70,5	62	6	5,3	41,5	36	58,5	7,5	68	68	90	7	55	73,1	91,2	109,3	127,4	145,5	163,6	181,7	199,8	217,9	236	254,1	
N80/N125	90	110	70,5	86	6	5,3	41,5	38	84	7,5	68	68	90	9	74,8	103,9	133	162,1	191,2	220,3	249,4	278,5	307,6	336,7	365,8	394,9	

*At the switch N125 with 6 and more elements the front plate is mounted also at the front side

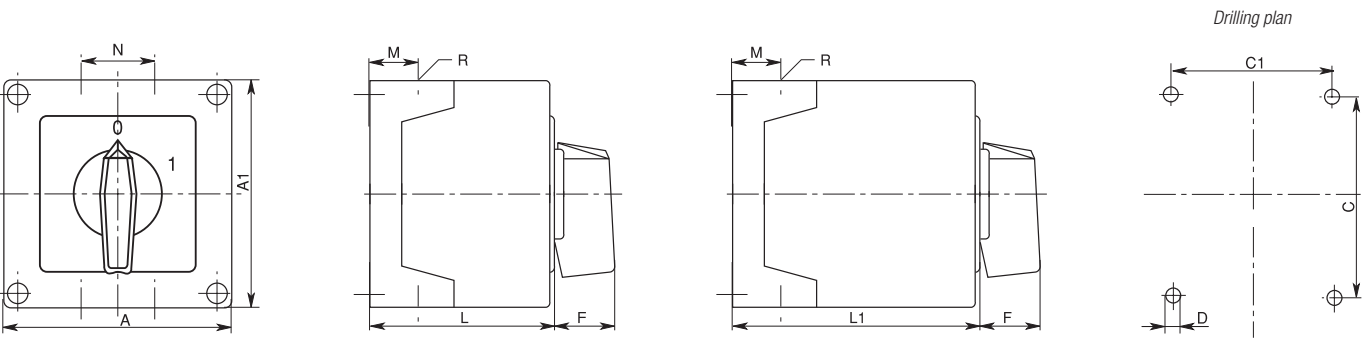
B - Switch with bigger locating device

Type	L Number of elements											
	1	2	3	4	5	6	7	8	9	10	11	12
N12B - U	39,8	49,5	59,2	68,9	78,6	88,3	98	107,7	117,4	127,1	136,9	146,5
N20B - U	39,8	49,5	59,2	68,9	78,6	88,3	98	107,7	117,4	127,1	136,9	146,5
N25B - U	44,2	57,8	71,4	85	98,6	112,2	125,8	139,4	153	166,6	180,2	193,8
N32B - U	51,3	64,9	78,5	92,1	105,7	119,3	132,9	146,5	160,1	173,7	187,3	200,9
N40B - U	53,9	69	84,1	99,2	114,3	129,4	144,5	159,6	174,7	189,8	204,9	220
N63B - U	57,7	75,8	93,9	112	130,1	148,2	166,3	184,4	202,5	220,6	238,7	256,8

Type	L Number of elements											
	1	2	3	4	5	6	7	8	9	10	11	12
N12B - O	44,8	54,5	64,2	73,9	83,6	93,3	103	112,7	122,4	132,1	141,8	151,5
N20B - O	44,8	54,5	64,2	73,9	83,6	93,3	103	112,7	122,4	132,1	141,8	151,5
N25B - O	49,2	62,8	76,4	90	103,6	117,2	130,8	144,4	158	171,6	185,2	198,8
N32B - O	58,8	72,4	86	99,6	113,2	126,8	140,4	154	167,6	181,2	194,8	208,4
N40B - O	61,4	76,5	91,6	106,7	121,8	136,9	152	167,1	182,2	197,3	212,4	227,5
N63B - O	65,2	83,3	101,4	119,5	137,6	155,7	173,8	191,9	210	228,1	246,2	264,3

DIMENSIONAL DRAWINGS (mm)

P - SWITCH IN PLASTIC CASING



Type	Housing size	Number of elements		A	A1	C	C1	D	F	M	N	L	L1	Protection	Conduit entries		
		L	L1												R(Pg)	ili / or	R(M...x1,5)
N12 N20 N25	75x75	1-2 1-2 1	3-4 3-4 2-3	75	75	50	64	4,5	19	14	28	57,5	79,8	IP65	4xPg13,5	ili / or	4xM20
N12 N20 N25 N32	90x90	1-3 1-3 1-2 1-2	4-6 4-6 3-4 3-4	90	90	79	63	4,5	25	19	30	71,3	98,3	IP65	4xPg16	ili / or	4xM20
N12 N20 N25 N32 N40 N63	110x110	1-4 1-4 1-3 1-3 1-2 1-2	5-8 5-8 4-5 4-5 3-5 3-4	110	110	98,4	83	4,5	32	21	39,5	85,5	119,5	IP65	4xPg21	ili / or	4xM25
N32 N40 N63 N80/N125	125x175	1-3 1-2 1-2 1	4-5 3-4 3-4 2	125	175	146	112	5,5	32	21	68	84,3	118,3	IP65	4xPg21+2xPg11	ili / or	4xM25+2xM16
N32 N40 N63 N80/N125	180x254	1-5 1-4 1-3 1-2	6-8 5-7 4-6 3-4	180	254	120	190	5,5	32	35	76	121	175	IP65	4xPg29+2xPg11	ili / or	4xM32+2xM16

APPROVALS

LAND	SYMBOL	N12	N20	N25	N32	N40	N63	N80/N125
USA		■	■	■	■	■	■	■
Kanada Canada		■	■	■	■	■	■	■
Nizozemska Netherland		■	■	■	■	■	■	■
Rusija Russia		■	■	■	■	■	■	■
Lloyd's Register of Shipping		■	■	■	■	■	■	□
Bureau Veritas		■	■	■	■	■	■	■
Hrvatski registar brodova Croatia Register of Shipping		■	■	■	■	□	■	□

■ Switch approved
□ Approval pending

PLASTIC CASING SELECTION

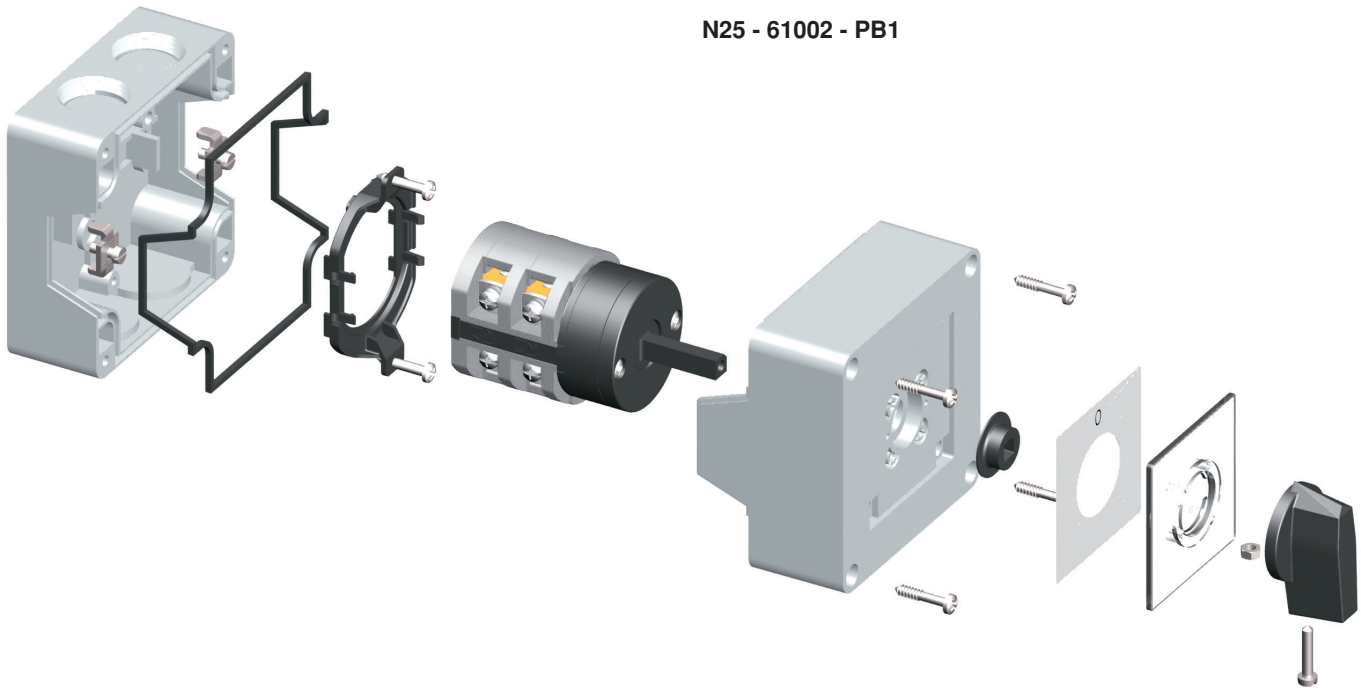
			CODE	
Casing size (mm)	Protection	Conduit entries	Housing type	Switch type
75x75	IP65	4xPg13,5		N12/N20/N25
	IP65	4xM20x1,5	B1	N12/N20/N25
90x90	IP65	4xPg16		N32
	IP65	4xPg16	C1	N12/N20/N25/N40
	IP65	4xM20x1,5	C2	N12/N20/N25/N32/N40
110x110	IP65	4xPg21		N40
	IP65	4xPg21	E1	N32/N63
	IP65	4xM25x1,5	E2	N25/N32/N40/N63
125x175	IP65	4xPg21+2xPg11		N63
	IP65	4xPg21+2xPg11	D1	N32/N40/N63/N80/N125
	IP65	4xM25x1,5+2xM16x1,5	D2	N32/N40/N63/N80/N125
180x254	IP65	4xPg29+2xPg11		N80/N125
	IP65	4xM32x1,5+2xM16x1,5	F1	N32/N40/N63/N80/N125
	IP65	4xPg29+2xPg11	F2	N32/N40/N63

EXAMPLE: For the switch N25 switching diagram 61002, standard color combination, plastic casing 75 x 75, with standard protection and conduit entries, the ordering code is:

N25 - 61002 - P

The same switch in the same casing but with conduit entries 4 x M20 x 1,5 has the ordering code:

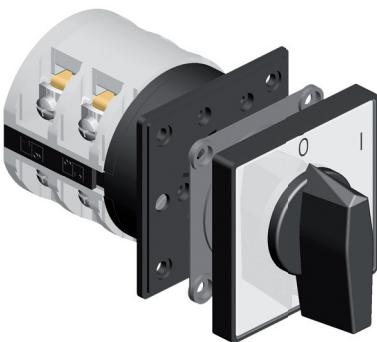
N25 - 61002 - PB1



OPTIONAL EXTRAS

CODE

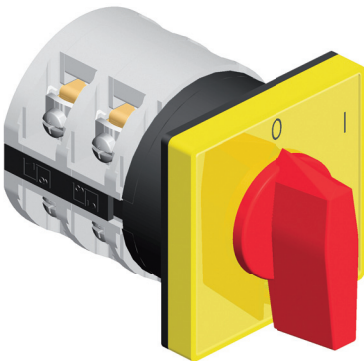
INCREASED PROTECTION DEGREE



51
Front protection IP65

N12	.....	U	61
N12H	.....	U	51
N20	.....	U	51
N20H	.....	U	51
N25	.....	U	51
N25H	.....	U	51
N32	.....	U	51
N32H	.....	U	51
N40	.....	U	51
N40H	.....	U	51
N63	.....	U	51
N63H	.....	U	51
N80	.....	U	51
N125	.....	U	51
N12	.....	O	51
N12H	.....	O	51
N20	.....	O	51
N20H	.....	O	51
N25	.....	O	51
N25H	.....	O	51
N32	.....	O	51
N32H	.....	O	51
N40	.....	O	51
N40H	.....	O	51
N63	.....	O	51
N63H	.....	O	51
N80	.....	O	51
N125	.....	O	51

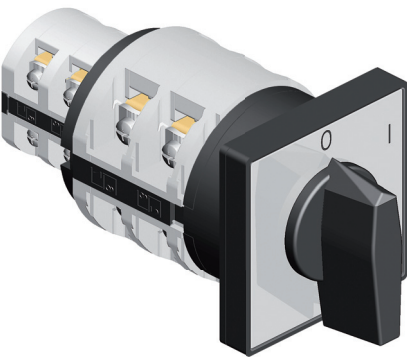
EMERGENCY OFF SWITCH



24
Standard switch with yellow front plate, yellow escutcheon plate and red handle.

N12	.....	U	24
N12H	.....	U	24
N20	.....	U	24
N20H	.....	U	24
N25	.....	U	24
N25H	.....	U	24
N32	.....	U	24
N32H	.....	U	24
N40	.....	U	24
N40H	.....	U	24
N63	.....	U	24
N63H	.....	U	24
N80	.....	U	24
N125	.....	U	24
N12	.....	O	24
N12H	.....	O	24
N20	.....	O	24
N20H	.....	O	24
N25	.....	O	24
N25H	.....	O	24
N32	.....	O	24
N32H	.....	O	24
N40	.....	O	24
N40H	.....	O	24
N63	.....	O	24
N63H	.....	O	24
N80	.....	O	24
N125	.....	O	24

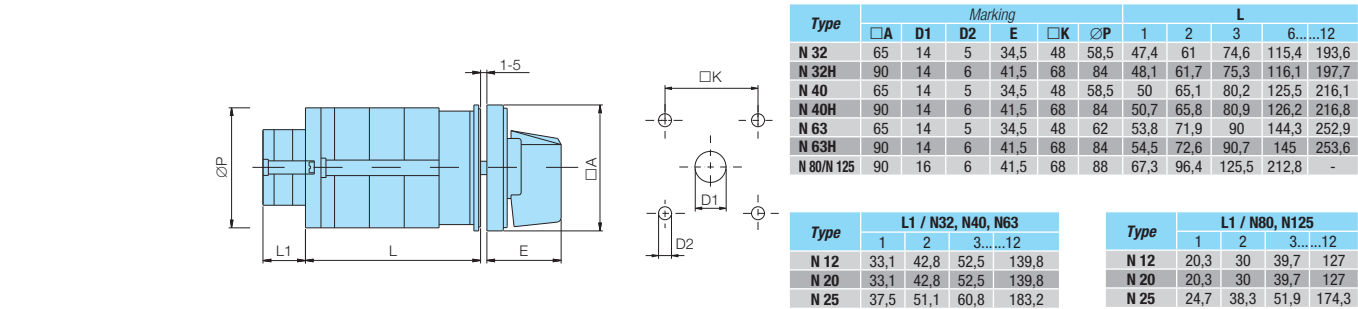
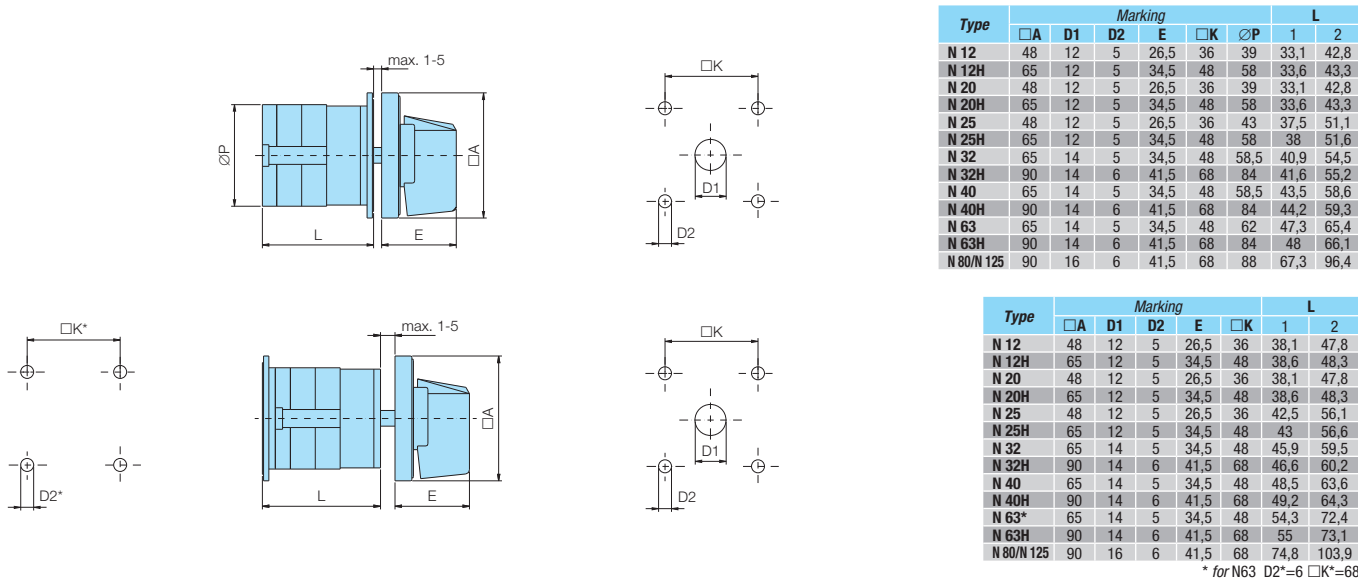
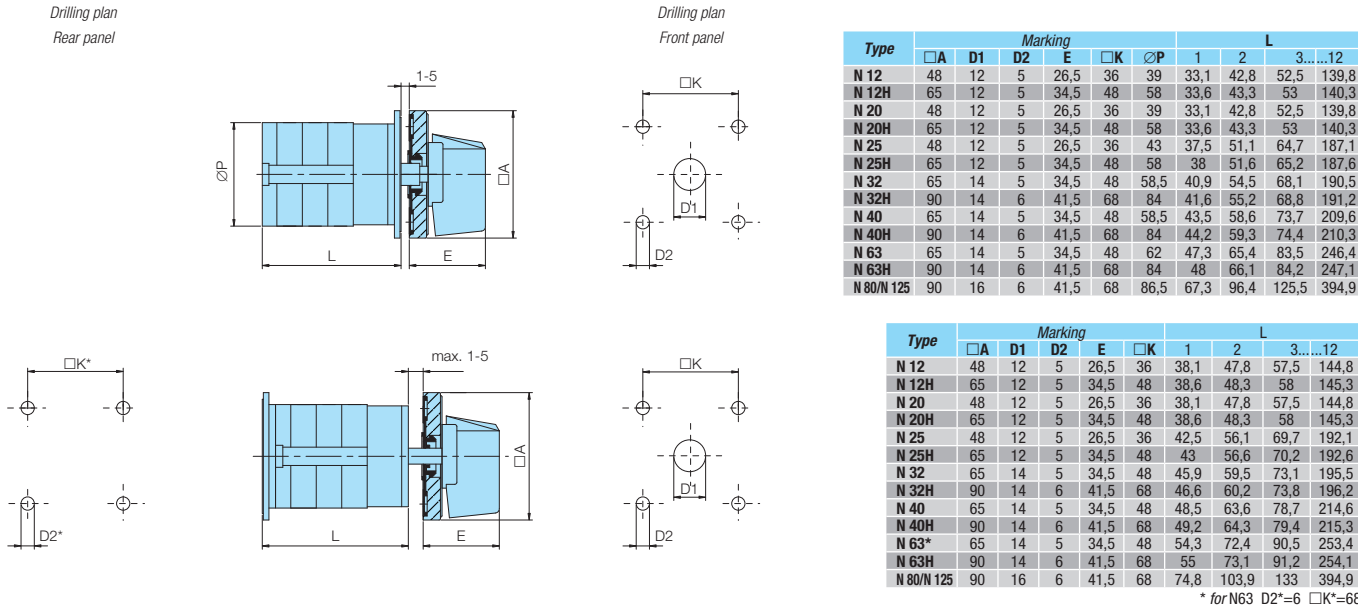
AUXILIARY CONTACTS



04
It is necessary to define switch type (N12, N20, N25) and switching diagram of the auxiliary contacts.

N32	.....	U	04
N32H	.....	U	04
N40	.....	U	04
N40H	.....	U	04
N63	.....	U	04
N63H	.....	U	04
N80	.....	U	04
N125	.....	U	04

DIMENSIONAL DRAWINGS (mm)



OPTIONAL EXTRAS

CODE

EXTENSION TERMINALS

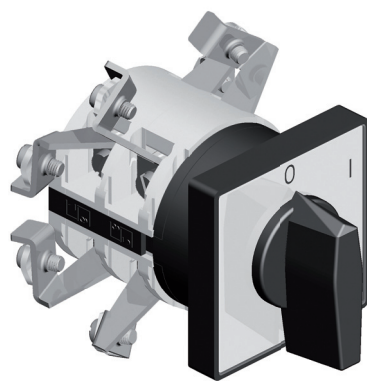


03

Fast-on terminals

AMP 4,8 N12, N20
AMP 6,3 N25, N32

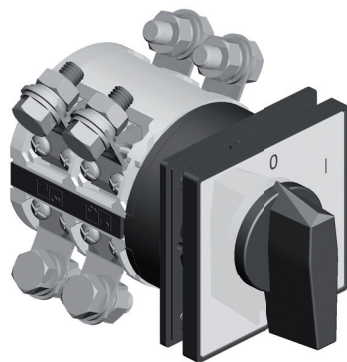
N12	.....	U	03
N12H	.....	U	03
N20	.....	U	03
N20H	.....	U	03
N25	.....	U	03
N25H	.....	U	03
N32	.....	U	03
N32H	.....	U	03



53

Relief the cable connection

N40	.....	U	53
N40H	.....	U	53
N63	.....	U	53
N63H	.....	U	53



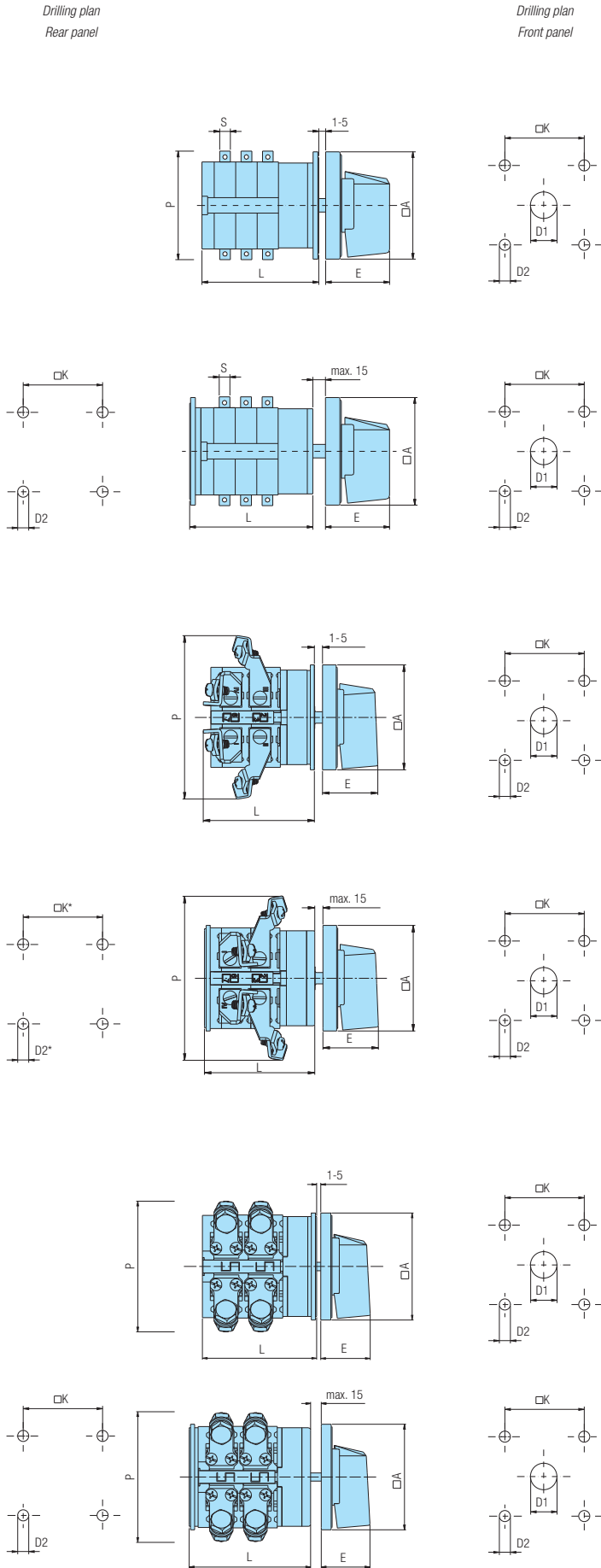
53D

Terminal lugs facilitate the connecting

N63	.....	U	53D
N63H	.....	U	53D
N80	.....	U	53D
N125	.....	U	53D

N63	.....	O	53D
N63H	.....	O	53D
N80	.....	O	53D
N125	.....	O	53D

DIMENSIONAL DRAWINGS (mm)



Type	Marking							L			
	□A	D1	D2	E	□K	P	S	1	2	3...12	
N 12	48	12	5	26,5	36	39	4,8	33,1	42,8	52,5	139,8
N 12H	65	12	5	34,5	48	58	4,8	33,6	43,3	53	140,3
N 20	48	12	5	26,5	36	39	4,8	33,1	42,8	52,5	139,8
N 20H	65	12	5	34,5	48	58	4,8	33,6	43,3	53	140,3
N 25	48	12	5	26,5	36	43	6,3	37,5	51,1	64,7	187,1
N 25H	65	12	5	34,5	48	58	6,3	38	51,6	65,2	187,6
N 32	65	14	5	34,5	48	58,5	6,3	40,9	54,5	68,1	190,5
N 32H	90	14	6	41,5	68	84	6,3	41,6	55,2	68,8	191,2

Type	Marking							L			
	□A	D1	D2	E	□K	S		1	2	3...12	
N 12	48	12	5	26,5	36	4,8	38,1	47,8	57,5	144,8	
N 12H	65	12	5	34,5	48	4,8	38,6	48,3	58	145,3	
N 20	48	12	5	26,5	36	4,8	38,1	47,8	57,5	144,8	
N 20H	65	12	5	34,5	48	4,8	38,6	48,3	58	145,3	
N 25	48	12	5	26,5	36	6,3	42,5	56,1	69,7	192,1	
N 25H	65	12	5	34,5	48	6,3	43	56,6	70,2	192,6	
N 32	65	14	5	34,5	48	6,3	45,9	59,5	73,1	195,5	
N 32H	90	14	6	41,5	68	6,3	46,6	60,2	73,8	196,2	

Type	Marking							L			
	□A	D1	D2	E	□K	P		1	2	3...12	
N 40	65	14	5	34,5	48	85x87	43,5	58,6	73,7	209,6	
N 40H	90	14	6	41,5	68	85x87	44,2	59,3	74,4	210,3	
N 63	65	14	5	34,5	48	89x102	47,3	65,4	83,5	246,4	
N 63H	90	14	6	41,5	68	89x102	48	66,1	84,2	247,1	

Type	Marking							L			
	A	D1	D2	E	□K	P		1	2	3...12	
N 40	65	14	5	34,5	48	85x87	48,5	63,6	78,7	214,6	
N 40H	90	14	6	41,5	68	85x87	49,2	64,3	79,4	215,3	
N 63*	65	14	5	34,5	48	89x102	54,3	72,4	90,5	253,4	
N 63H	90	14	6	41,5	68	89x102	55	73,1	91,2	254,1	

* for N63 D2*=6 □K*=68

Type	Marking							L			
	□A	D1	D2	E	□K	P		1	2	3...12	
N 63	65	14	5	34,5	48	80x100	47,3	65,4	83,5	246,4	
N 63H	90	16	6	41,5	68	80x100	48	66,1	84,2	247,1	
N 80/N 125	90	16	6	41,5	68	110x110	67,3	96,4	125,5	387,4	

Type	Marking							L			
	□A	D1	D2	E	□K	P		1	2	3...12	
N 63*	65	14	5	34,5	48	80x100	54,3	72,4	90,5	253,4	
N 63H	90	16	6	41,5	68	80x100	55	73,1	91,2	254,1	
N 80/N 125	90	16	6	41,5	68	110x110	74,8	103,9	133	394,9	

* for N63 D2*=6 □K*=68

OPTIONAL EXTRAS

CODE

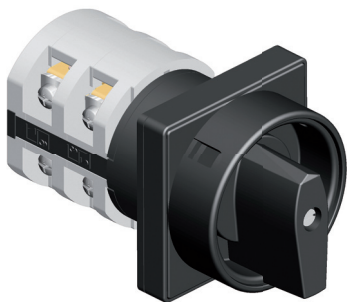
SWITCHES WITH LOCKING



56

In standard manner locking is in "0"
- possible in other positions, too (please define)
It is possible to use 1-3 padlocks.

HANDLE	FRONT PLATE	ESCUTCH. PLATE	Y CODE
black	black	white	
grey	grey	white	20
red - yellow	yellow	yellow	40



06

In standard manner locking is in "0"
Used at switches 0-1 (60°, 90°). Possible use
(60°) with several positions (max. 6).



HANDLE	COVER PLATE	FRONT PLATE	Y CODE
black	black	black	
grey	grey	grey	20
red	yellow	yellow	40



06D

In standard manner locking is in "0"
- possible in other positions, too (please define)
It is possible to use 1-4 padlocks.

HANDLE	COVER PLATE	FRONT PLATE	Y CODE
black	black	black	
grey	grey	grey	20
red	yellow	yellow	40

N12 U 56
N20 U 56
N25 U 56

N12 O 56
N20 O 56
N25 O 56

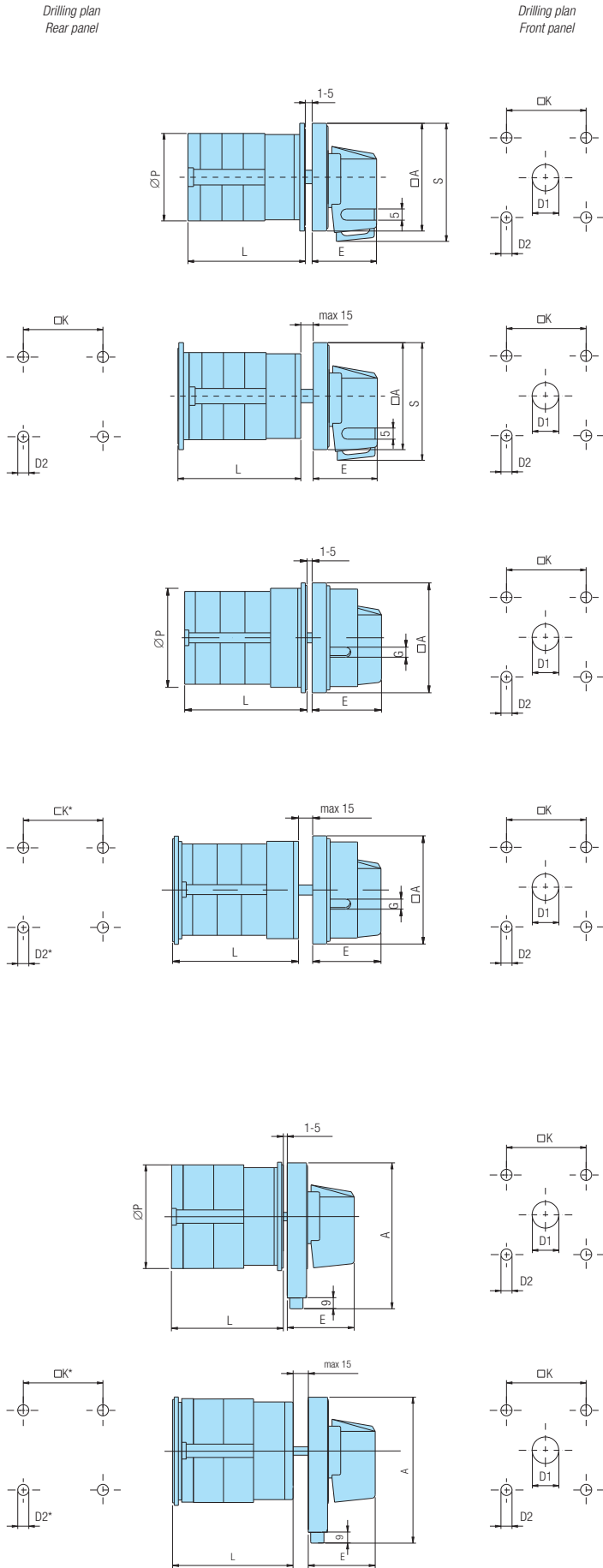
N12 U 06
N12H U 06
N20 U 06
N20H U 06
N25 U 06
N25H U 06
N32 U 06
N32H U 06
N40 U 06
N40H U 06
N63 U 06
N63H U 06
N80 U 06
N125 U 06

N12 O 06
N12H O 06
N20 O 06
N20H O 06
N25 O 06
N25H O 06
N32 O 06
N32H O 06
N40 O 06
N40H O 06
N63 O 06
N63H O 06
N80 O 06
N125 O 06

N32H U 06D
N40H U 06D
N63H U 06D
N80 U 06D
N125 U 06D

N32H O 06D
N40H O 06D
N63H O 06D
N80 O 06D
N125 O 06D

DIMENSIONAL DRAWINGS (mm)



Type	Marking							L			
	□A	D1	D2	E	□K	∅P	S	1	2	3...12	
N 12	48	12	5	34,5	36	39	57	33,1	42,8	52,5	139,8
N 20	48	12	5	34,5	36	39	57	33,1	42,8	52,5	139,8
N 25	48	12	5	34,5	36	43	57	37,5	51,1	64,7	187,1

Type	Marking							L			
	□A	D1	D2	E	□K	S		1	2	3...12	
N 12	48	12	5	34,5	36	57		38,1	47,8	57,5	144,8
N 20	48	12	5	34,5	36	57		38,1	47,8	57,5	144,8
N 25	48	12	5	34,5	36	57		42,5	56,1	69,7	192,1

Type	Marking							L			
	□A	D1	D2	E	G	□K	∅P	1	2	3...12	
N 12	48	12	5	34,2	5	36	39	33,1	42,8	52,5	139,8
N 12H	65	12	5	38	6	48	58	33,6	43,3	53	140,3
N 20	48	12	5	34,2	5	36	39	33,1	42,8	52,5	139,8
N 20H	65	12	5	38	6	48	58	33,6	43,3	53	140,3
N 25	48	12	5	34,2	5	36	43	37,5	51,1	64,7	187,1
N 25H	65	12	5	38	6	48	58	38	51,6	65,2	187,6
N 32	65	14	5	38	6	48	58,5	40,9	54,5	68,1	190,5
N 32H	90	14	6	49	7	68	84	41,6	55,2	68,8	191,2
N 40	65	14	5	38	6	48	58,5	43,5	58,6	73,7	209,6
N 40H	90	14	6	49	7	68	84	44,2	59,3	74,4	210,3
N 63	65	14	5	38	6	48	62	47,3	65,4	83,5	246,4
N 63H	90	14	6	49	7	68	84	48	66,1	84,2	247,1
N 80/N 125	90	16	6	49	7	68	86,5	67,3	96,4	125,5	387,4

Type	Marking							L			
	□A	D1	D2	E	G	□K	∅P	1	2	3...12	
N 12	48	12	5	34,2	5	36	38,1	47,8	57,5	144,8	
N 12H	65	12	5	38	6	48	38,6	48,3	58	145,3	
N 20	48	12	5	34,2	5	36	38,1	47,8	57,5	144,8	
N 20H	65	12	5	38	6	48	38,6	48,3	58	145,3	
N 25	48	12	5	34,2	5	36	42,5	56,1	69,7	192,1	
N 25H	65	12	5	38	6	48	43	56,6	70,2	192,6	
N 32	65	14	5	38	6	48	45,9	59,5	73,1	195,5	
N 32H	90	14	6	49	7	68	46,6	60,2	73,8	196,2	
N 40	65	14	5	38	6	48	48,5	63,6	78,7	214,6	
N 40H	90	14	6	49	7	68	49,2	64,3	79,4	215,3	
N 63*	65	14	5	38	6	48	54,3	72,4	90,5	253,4	
N 63H	90	14	6	49	7	68	55	73,1	91,2	254,1	
N 80/N 125	90	16	6	49	7	68	74,8	103,9	133	394,9	

* or N63 D2*=6 □K*=68

Type	Marking							L			
	A	D1	D2	E	□K	∅P		1	2	3...12	
N 32H	90x112	14	6	48	68	58,5	41,6	55,2	68,8	191,2	
N 40H	90x112	14	6	48	68	58,5	44,2	59,3	74,4	210,3	
N 63H	90x112	14	6	48	68	62	48	66,1	84,2	247,1	
N 80/N 125	90x112	16	6	48	68	86,5	67,3	96,4	125,5	394,9	

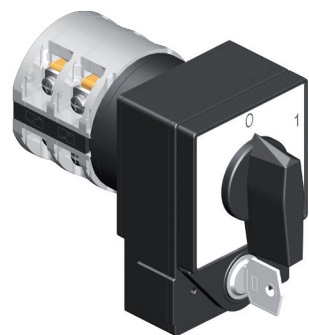
Type	Marking							L			
	A	D1	D2	E	□K			1	2	3...12	
N 32H	90x112	14	6	48	68	46,6		60,2	73,8	196,2	
N 40H	90x112	14	6	48	68	49,2		64,3	79,4	215,3	
N 63H	90x112	14	6	48	68	55		73,1	91,2	254,1	
N 80/N 125	90x112	16	6	48	68	74,8		103,9	133	394,9	

* for N63 D2*=6 □K*=68

OPTIONAL EXTRAS

CODE

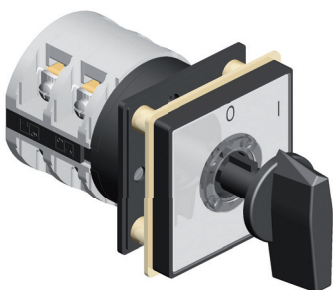
SWITCHES WITH LOCKING



05

*In standard manner locking is in "0"
- possible in other positions, too (please define)
The key can be pulled out only in locked position.*

N12H	.....	U	05
N20H	.....	U	05
N25H	.....	U	05
N32	.....	U	05
N32B	.....	U	05
N40	.....	U	05
N40B	.....	U	05
N63	.....	U	05
N63B	.....	U	05
N80	.....	U	05
N125	.....	U	05



13

*Socket key. In a standard manner pull-out of the key in "0".
Possible in other positions at the angle of 90° (please define).*



N12H	.....	U	13
N20H	.....	U	13
N25H	.....	U	13
N32	.....	U	13
N40	.....	U	13
N63	.....	U	13

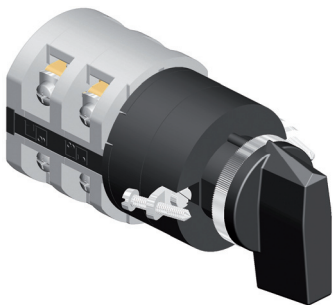
CENTRAL MOUNTING



09

Mounting into Ø30 mm

N12	.....	U	09
N20	.....	U	09
N25	.....	U	09



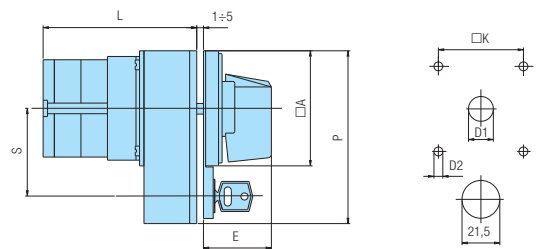
11

Mounting into Ø22 mm

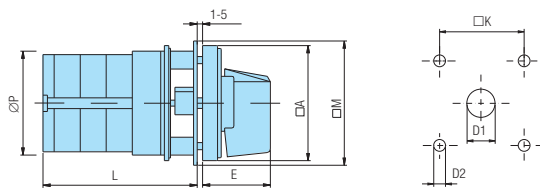
N12	.....	U	11
N20	.....	U	11
N25	.....	U	11

DIMENSIONAL DRAWINGS (mm)

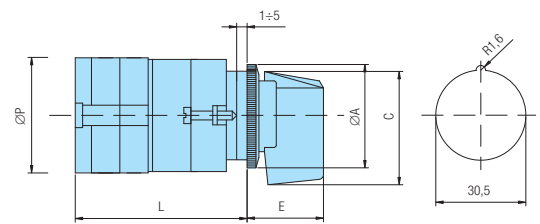
Drilling plan
Front panel



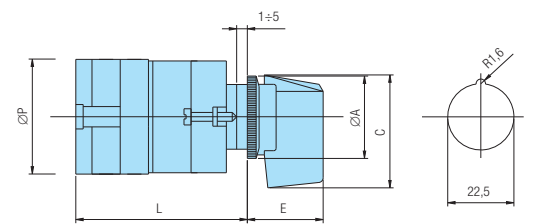
Type	Marking							L				
	□A	D1	D2	E	□K	P	S	1	2	3...12		
N 12H	65	12	5	34,5	48	65x98	48	63,6	73,3	83	170,3	
N 20H	65	12	5	34,5	48	65x98	48	63,6	73,3	83	170,3	
N 25H	65	12	5	34,5	48	65x98	48	68	81,6	95,2	217,6	
N 32	65	14	5	34,5	48	65x98	48	70,9	84,5	98,1	220,5	
N 32B	90	16	6	41,5	68	90x122	60	79,8	93,4	107	229,4	
N 40	65	14	5	34,5	48	65x98	48	73,5	88,6	103,7	239,6	
N 40B	90	16	6	41,5	68	90x122	60	82,4	97,5	112,6	248,5	
N 63	65	14	5	34,5	48	65x98	48	77,3	95,4	113,5	276,4	
N 63B	90	16	6	41,5	68	90x122	60	86,2	104,3	122,4	256,8	
N 80/N 125	90	16	6	41,5	68	90x122	60	95,8	124,9	154	423,4	



Type	Marking							L				
	□A	D1	D2	E	□M	□K	∅P	1	2	3...12		
N 12H	65	12	5	34,5	70	48	58	48,6	58,3	68	155,3	
N 20H	65	12	5	34,5	70	48	58	48,6	58,3	68	155,3	
N 25H	65	12	5	34,5	70	48	58	53	67	80,2	202,6	
N 32	65	14	5	34,5	70	48	58,5	55,9	69,5	83,1	205,5	
N 40	65	14	5	34,5	70	48	58,5	58,5	73,6	88,7	224,6	
N 63	65	14	5	34,5	70	48	62	62,3	80,4	98,5	261,4	



Type	Marking				L				
	∅A	C	E	∅P	1	2	3...12		
N 12	35	39,5	23	58	47,1	56,8	66,5	153,8	
N 20	35	39,5	23	58	47,1	56,8	66,5	153,8	
N 25	35	39,5	23	58	51,5	65,1	78,7	201,1	

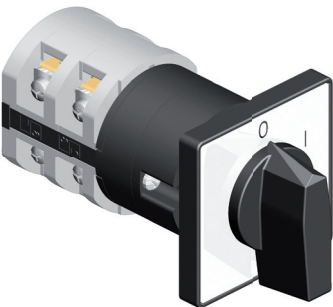


Type	Marking				L				
	∅A	C	E	∅P	1	2	3...12		
N 12	28	39,5	23	58	47,1	56,8	66,5	153,8	
N 20	28	39,5	23	58	47,1	56,8	66,5	153,8	
N 25	28	39,5	23	58	51,5	65,1	78,7	201,1	

OPTIONAL EXTRAS

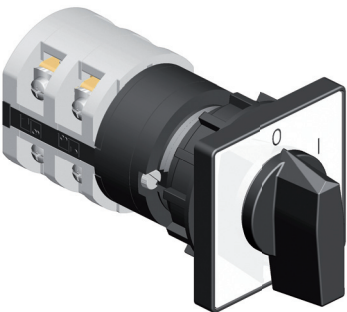
CODE

CENTRAL MOUNTING



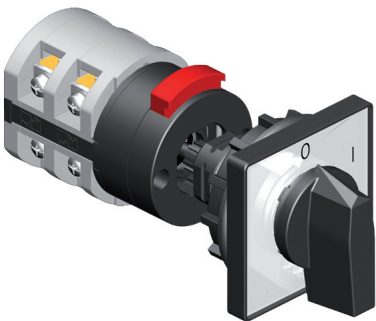
20
Mounting into Ø22 mm or Ø30 mm with two screws.

N12	.....	U	20
N20	.....	U	20
N25	.....	U	20



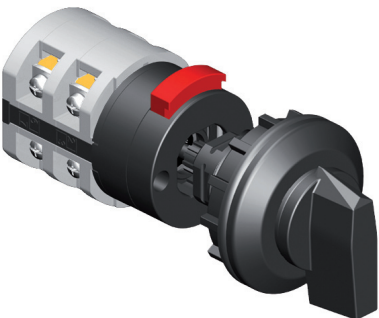
36
37
Quick mounting into Ø22 mm (optional extra 36) or into Ø30 mm (optional extra 37).

N12	.....	U	36	37
N20	.....	U	36	37
N25	.....	U	36	37



47
Quick mounting into Ø22 mm. Snap-on mounting of contact block with front part (separation in position "0").

N12	.....	U	47
N20	.....	U	47
N25	.....	U	47

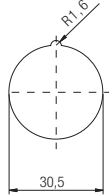
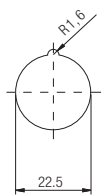
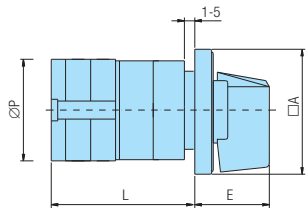


67
Quick mounting into Ø22 mm. Snap-on mounting of contact block with front part (separation in position "0").

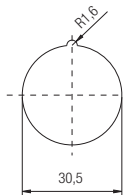
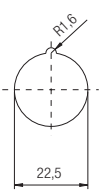
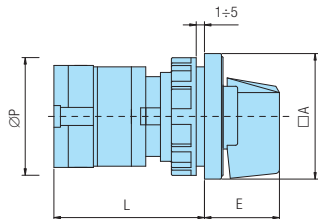
N12	.....	U	67
N20	.....	U	67
N25	.....	U	67

DIMENSIONAL DRAWINGS (mm)

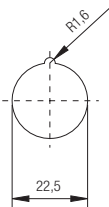
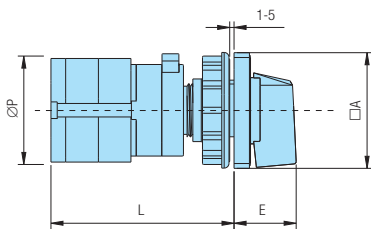
Drilling plan
Front panel



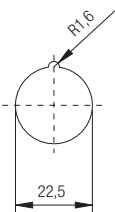
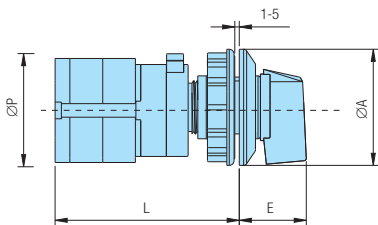
Type	Marking			L			
	□A	E	ØP	1	2	3...12	
N 12	48	26,5	39	42,3	52	61,7	149
N 20	48	26,5	39	42,3	52	61,7	149
N 25	48	26,5	43	46,7	60,3	73,9	196,3



Type	Marking			L			
	□A	E	ØP	1	2	3...12	
N 12	48	26,5	45	53	62,7	72,4	159,7
N 20	48	26,5	45	53	62,7	72,4	159,7
N 25	48	26,5	45	57,4	71	84,6	207



Type	Marking			L			
	□A	E	ØP	1	2	3...12	
N 12	48	26,5	45,4	58	67,7	77,4	164,7
N 20	48	26,5	45,4	58	67,7	77,4	164,7
N 25	48	26,5	45,4	62,4	76	89,6	212

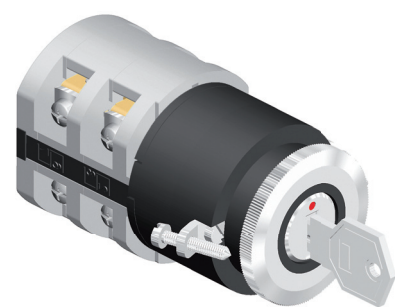


Type	Marking			L			
	□A	E	ØP	1	2	3...12	
N 12	48	28	45,4	58	67,7	77,4	164,7
N 20	48	28	45,4	58	67,7	77,4	164,7
N 25	48	28	45,4	62,4	76	89,6	212

OPTIONAL EXTRAS

CODE

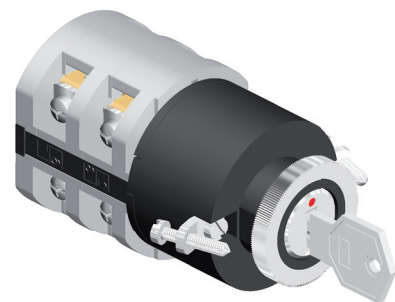
CENTRAL MOUNTING-SWITCHES WITH LOCKING



10
Mounting into Ø30 mm.
Locking and pull-out of the key at 90°
Possible 1 - 4 locked positions within 360°
(please define).



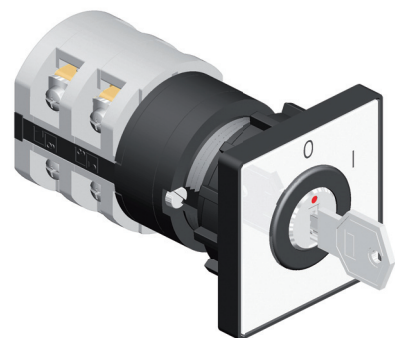
N12	.....	U	10
N20	.....	U	10
N25	.....	U	10



12
Mounting into Ø22 mm.
Locking and pull-out of the key at 90°
Possible 1 - 4 locked positions within 360°
(please define).



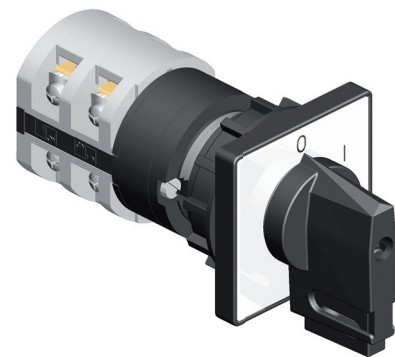
N12	.....	U	12
N20	.....	U	12
N25	.....	U	12



29
30
Quick mounting into Ø22 mm (optional extra 29)
or into Ø30 mm (optional extra 30).
Locking and pull-out of the key at 90°
Possible 1 - 4 locked positions within 360°
(please define).



N12	.....	U	29	30
N20	.....	U	29	30
N25	.....	U	29	30

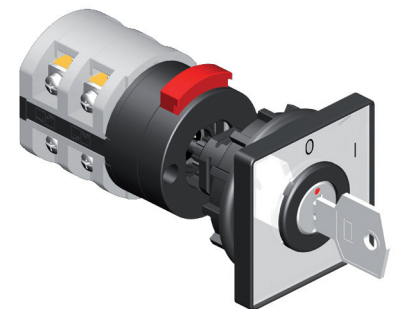


41
42
Quick mounting into Ø22 mm (optional extra 41)
or into Ø30 mm (optional extra 42).
Padlocking (1 - 3) in "0".



N12	.....	U	41	42
N25	.....	U	41	42
N20	.....	U	41	42

HANDLE	FRONT PLATE	ESCUTCH. PLATE	Y
black	black	white	CODE
grey	grey	white	20
red-yellow	yellow	yellow	40



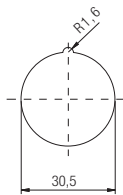
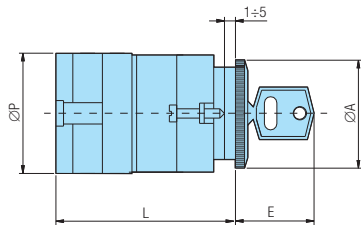
29D
Mounting into Ø22 mm.
Snap-on mounting of contact block with front part.



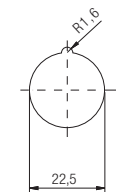
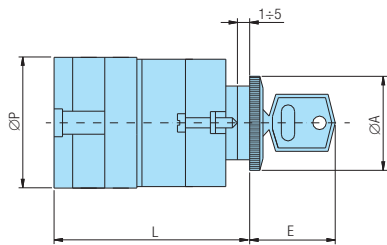
N12	.....	U	29D
N20	.....	U	29D
N25	.....	U	29D

DIMENSIONAL DRAWINGS (mm)

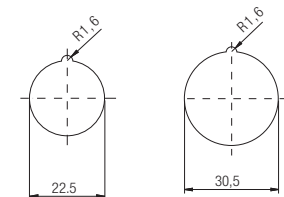
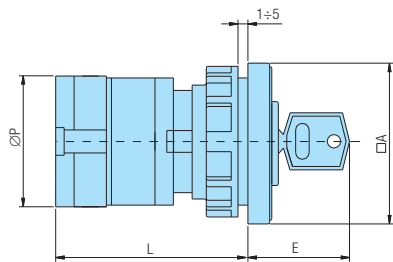
Drilling plan
Front panel



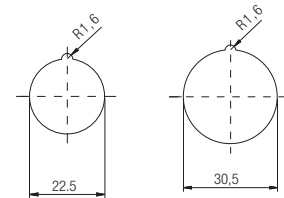
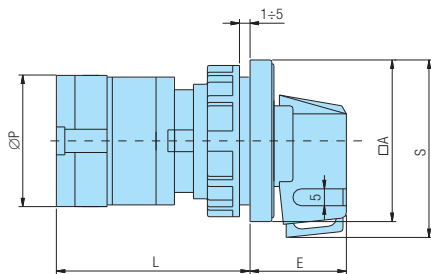
Type	Marking			L			
	ØA	E	ØP	1	2	3...8	
N 12	35	30	58	47	56,7	66,4	104
N 20	35	30	58	47	56,7	66,4	104
N 25	35	30	58	51,4	65	78,6	135,7



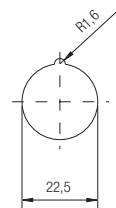
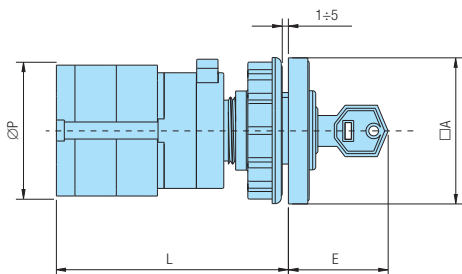
Type	Marking			L			
	ØA	E	ØP	1	2	3...8	
N 12	28	30	58	47	56,7	66,4	104
N 20	28	30	58	47	56,7	66,4	104
N 25	28	30	58	51,4	65	78,6	135,7



Type	Marking			L			
	ØA	E	ØP	1	2	3...8	
N 12	48	33	45	53	62,7	72,4	104
N 20	48	33	45	53	62,7	72,4	104
N 25	48	33	45	57,4	71	84,6	135,7



Type	Marking			L			
	ØA	E	ØP	1	2	3...12	
N 12	48	34,5	45	57	53	62,7	159,7
N 20	48	34,5	45	57	53	62,7	159,7
N 25	48	34,5	45	57	57,4	71	207

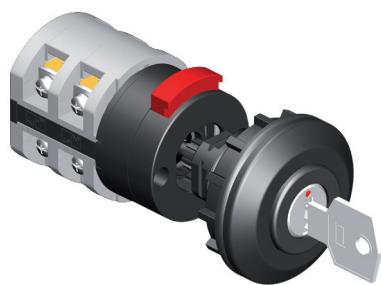


Type	Marking			L			
	ØA	E	ØP	1	2	3...8	
N 12	48	33	45,4	58	67,7	77,4	104
N 20	48	33	45,4	58	67,7	77,4	104
N 25	48	33	45,4	62,4	76	89,6	135,7

OPTIONAL EXTRAS

CODE

CENTRAL MOUNTING-SWITCHES WITH LOCKING

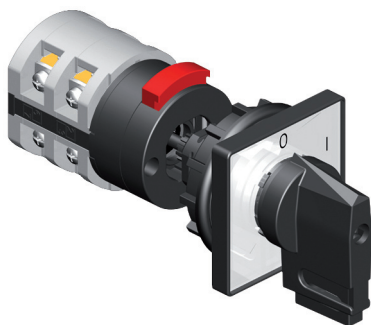


29K

Mounting into Ø22 mm.
Snap-on mounting of contact block with front part.



N12	.....	U	29K
N20	.....	U	29K
N25	.....	U	29K

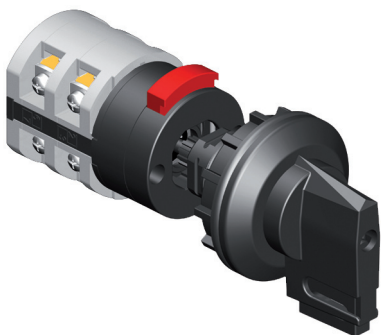


41D

Mounting into Ø22 mm.
Snap-on mounting of contact block with front part.

HANDLE	FRONT PLATE	ESCUTCH. PLATE	Y CODE
black	black	white	
grey	grey	white	20
red-yellow	yellow	yellow	40

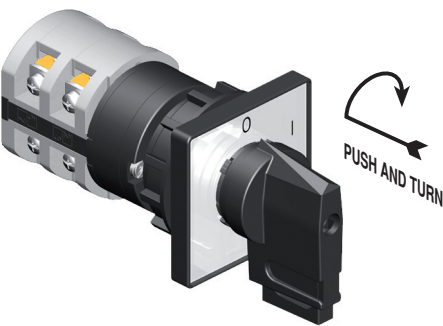
N12	.....	U	41D
N20	.....	U	41D
N25	.....	U	41D



41K

Mounting into Ø22 mm.
Snap-on mounting of contact block with front part.

N12	.....	U	41K
N20	.....	U	41K
N25	.....	U	41K

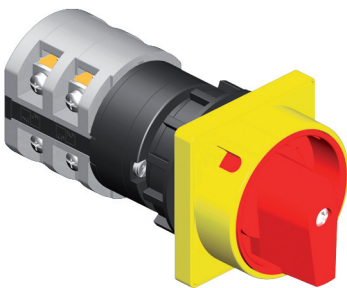


71
72

Quick mounting into Ø22 mm (optional extra 71) or
into Ø30 mm (optional extra 72). Padlocking (1 - 3) in "0".

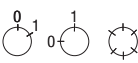
HANDLE	FRONT PLATE	ESCUTCH. PLATE	Y CODE
black	black	white	
grey	grey	white	20
red-yellow	yellow	yellow	40

N12	.....	U	71	72
N20	.....	U	71	72
N25	.....	U	71	72



76
77

Quick mounting into Ø22 mm (optional extra 76) or
into Ø30 mm (optional extra 77). Padlocking (1 - 3) in "0".

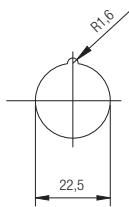
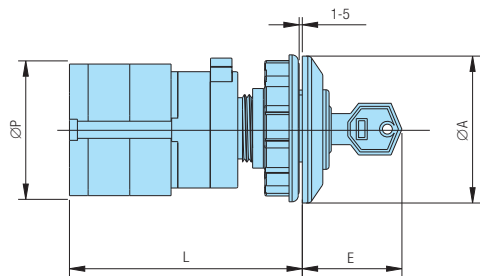


HANDLE	FRONT PLATE	ESCUTCH. PLATE	Y CODE
black	black	white	
grey	grey	white	20
red	yellow	yellow	40

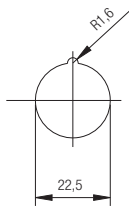
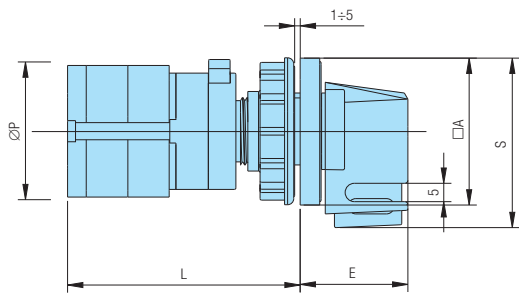
N12	.....	U	76	77
N20	.....	U	76	77
N25	.....	U	76	77

DIMENSIONAL DRAWINGS (mm)

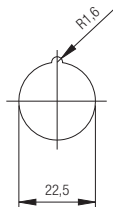
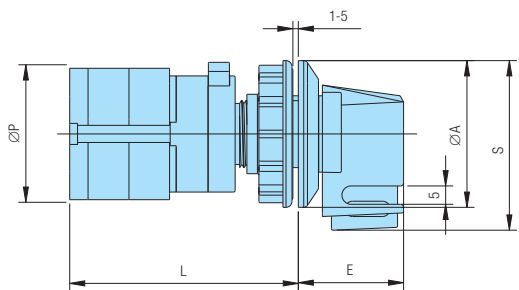
Drilling plan
Front panel



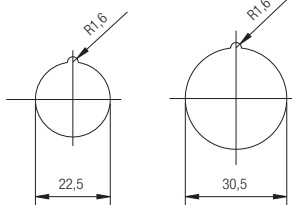
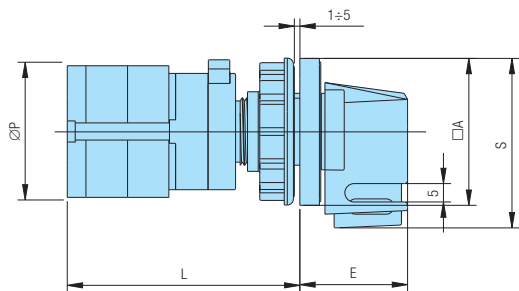
Type	Marking			L			
	ØA	E	ØP	1	2	3...8	
N 12	48	32,5	45,4	58	67,7	77,4	104
N 20	48	32,5	45,4	58	67,7	77,4	104
N 25	48	32,5	45,4	62,4	76	89,6	135,7



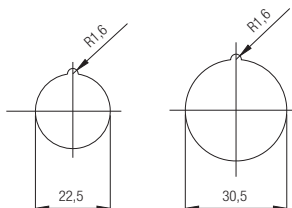
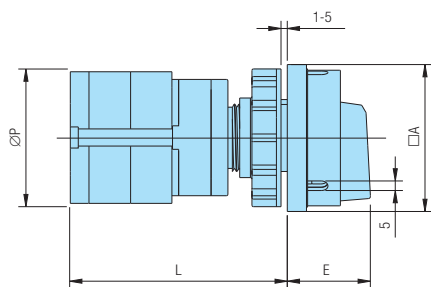
Type	Marking				L			
	ØA	E	ØP	S	1	2	3...12	
N 12	48	35,2	45,4	57	58	67,7	77,4	164,7
N 20	48	35,2	45,4	57	58	67,7	77,4	164,7
N 25	48	35,2	45,4	57	62,4	76	89,6	212



Type	Marking				L			
	ØA	E	ØP	S	1	2	3...12	
N 12	48	35	45,4	57	58	67,7	77,4	164,7
N 20	48	35	45,4	57	58	67,7	77,4	164,7
N 25	48	35	45,4	57	62,4	76	89,6	212



Type	Marking				L			
	ØA	E	ØP	S	1	2	3...12	
N 12	48	37,5	45	57	53	62,7	72,4	159,7
N 20	48	37,5	45	57	53	62,7	72,4	159,7
N 25	48	37,5	45	57	57,4	71	84,6	207

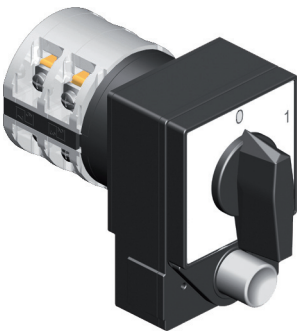


Type	Marking				L			
	ØA	E	ØP	S	1	2	3...12	
N 12	48	34,2	45	53	62,7	72,4	159,7	
N 20	48	34,2	45	53	62,7	72,4	159,7	
N 25	48	34,2	45	57,4	71	84,6	207	

OPTIONAL EXTRAS

CODE

BLOCKADE OF POSITIONS-TWO HANDS OPERATING



16

Blockade of positions - two hands operating, against an accidental switching-on. Blockade is possible in any position (please define).

N12H	.....	U	16
N20H	.....	U	16
N25H	.....	U	16
N32	.....	U	16
N32B	.....	U	16
N40	.....	U	16
N40B	.....	U	16
N63	.....	U	16
N63B	.....	U	16
N80	.....	U	16
N125	.....	U	16



26

Blockade of positions - two hands operating, against an accidental switching-on, locking by one padlock. Blockade and locking is possible in any position (please define).

N12H	.....	U	26
N20H	.....	U	26
N25H	.....	U	26
N32	.....	U	26
N32B	.....	U	26
N40	.....	U	26
N40B	.....	U	26
N63	.....	U	26
N63B	.....	U	26
N80	.....	U	26
N125	.....	U	26



17

Blockade of positions + auxiliary contacts (push button). Possible optional extra with one or two pairs of the open-close contacts. Operating of the contacts is being realized before switch function. **Standard:** blockade in position "0", auxiliary contacts 1NO +1NC. It is necessary to define blockade of the positions and number of the auxiliary contacts.

N12H	.....	U	17
N20H	.....	U	17
N25H	.....	U	17
N32	.....	U	17
N32B	.....	U	17
N40	.....	U	17
N40B	.....	U	17
N63	.....	U	17
N63B	.....	U	17
N80	.....	U	17
N125	.....	U	17



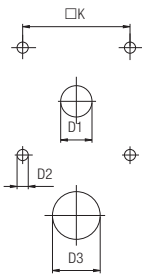
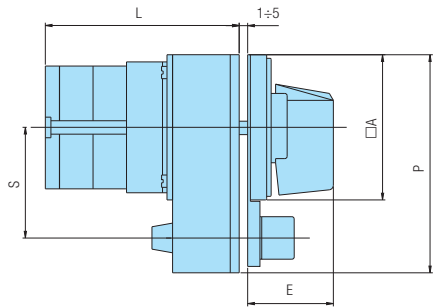
27

Blockade of positions + auxiliary contacts (push button) + locking by one padlock. Possible optional extra with one or two pairs of the open-close contacts. Operating of the contacts is being realized before switch function. **Standard:** blockade in position "0", auxiliary contacts 1NO +1NC. It is necessary to define blockade of the positions and number of the auxiliary contacts.

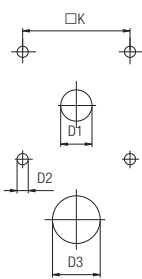
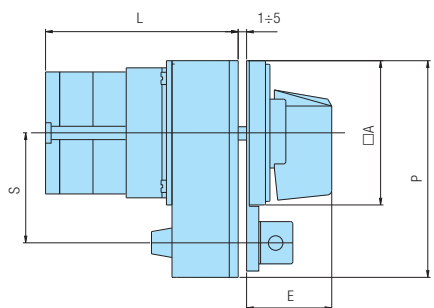
N12H	.....	U	27
N20H	.....	U	27
N25H	.....	U	27
N32	.....	U	27
N32B	.....	U	27
N40	.....	U	27
N40B	.....	U	27
N63	.....	U	27
N63B	.....	U	27
N80	.....	U	27
N125	.....	U	27

DIMENSIONAL DRAWINGS (mm)

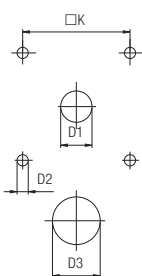
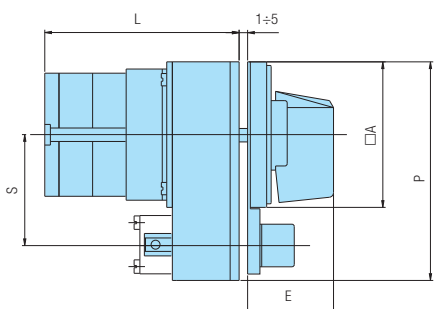
Drilling plan
Front panel



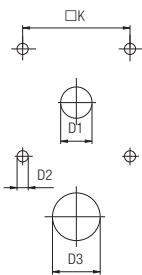
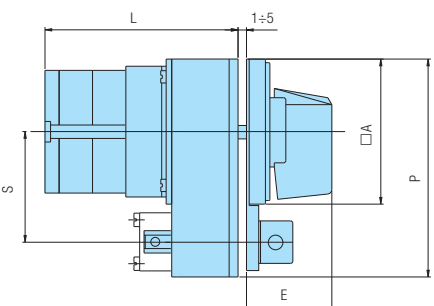
Type	Marking							L			
	A	D1	D2	D3	E	K	P	S	1	2	3...12
N 12H	65	12	5	20	34,5	48	65x98	48	63,6	73,3	83 170,3
N 20H	65	12	5	20	34,5	48	65x98	48	63,6	73,3	83 170,3
N 25H	65	12	5	20	34,5	48	65x98	48	68	81,6	95,2 217,6
N 32	65	14	5	20	34,5	48	65x98	48	70,9	84,5	98,1 220,5
N 32B	90	16	6	15	41,5	68	90x122	60	79,8	93,4	107 229,4
N 40	65	14	5	20	34,5	48	65x98	48	73,5	88,6	103,7 239,6
N 40B	90	16	6	15	41,5	68	90x122	60	82,4	97,5	112,6 248,5
N 63	65	14	5	20	34,5	48	65x98	48	77,3	95,4	113,5 276,4
N 63B	90	16	6	15	41,5	68	90x122	60	86,2	104,3	122,4 256,8
N 80/N 125	90	16	6	15	41,5	68	90x122	60	95,8	124,9	154 423,4



Type	Marking							L			
	A	D1	D2	D3	E	K	P	S	1	2	3...12
N 12H	65	12	5	20	34,5	48	65x98	48	63,6	73,3	83 170,3
N 20H	65	12	5	20	34,5	48	65x98	48	63,6	73,3	83 170,3
N 25H	65	12	5	20	34,5	48	65x98	48	68	81,6	95,2 217,6
N 32	65	14	5	20	34,5	48	65x98	48	70,9	84,5	98,1 220,5
N 32B	90	16	6	15	41,5	68	90x122	60	79,8	93,4	107 229,4
N 40	65	14	5	20	34,5	48	65x98	48	73,5	88,6	103,7 239,6
N 40B	90	16	6	15	41,5	68	90x122	60	82,4	97,5	112,6 248,5
N 63	65	14	5	20	34,5	48	65x98	48	77,3	95,4	113,5 276,4
N 63B	90	16	6	15	41,5	68	90x122	60	86,2	104,3	122,4 256,8
N 80/N 125	90	16	6	15	41,5	68	90x122	60	95,8	124,9	154 423,4



Type	Marking							L			
	A	D1	D2	D3	E	K	P	S	1	2	3...12
N 12H	65	12	5	20	34,5	48	65x98	48	63,6	73,3	83 170,3
N 20H	65	12	5	20	34,5	48	65x98	48	63,6	73,3	83 170,3
N 25H	65	12	5	20	34,5	48	65x98	48	68	81,6	95,2 217,6
N 32	65	14	5	20	34,5	48	65x98	48	70,9	84,5	98,1 220,5
N 32B	90	16	6	15	41,5	68	90x122	60	79,8	93,4	107 229,4
N 40	65	14	5	20	34,5	48	65x98	48	73,5	88,6	103,7 239,6
N 40B	90	16	6	15	41,5	68	90x122	60	82,4	97,5	112,6 248,5
N 63	65	14	5	20	34,5	48	65x98	48	77,3	95,4	113,5 276,4
N 63B	90	16	6	15	41,5	68	90x122	60	86,2	104,3	122,4 256,8
N 80/N 125	90	16	6	15	41,5	68	90x122	60	95,8	124,9	154 423,4

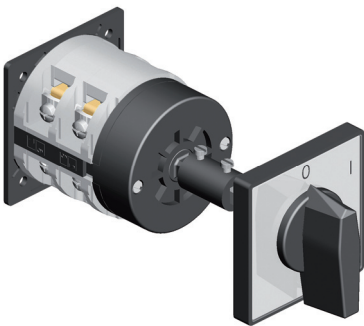


Type	Marking							L			
	A	D1	D2	D3	E	K	P	S	1	2	3...12
N 12H	65	12	5	20	34,5	48	65x98	48	63,6	73,3	83 170,3
N 20H	65	12	5	20	34,5	48	65x98	48	63,6	73,3	83 170,3
N 25H	65	12	5	20	34,5	48	65x98	48	68	81,6	95,2 217,6
N 32	65	14	5	20	34,5	48	65x98	48	70,9	84,5	98,1 220,5
N 32B	90	16	6	15	41,5	68	90x122	60	79,8	93,4	107 229,4
N 40	65	14	5	20	34,5	48	65x98	48	73,5	88,6	103,7 239,6
N 40B	90	16	6	15	41,5	68	90x122	60	82,4	97,5	112,6 248,5
N 63	65	14	5	20	34,5	48	65x98	48	77,3	95,4	113,5 276,4
N 63B	90	16	6	15	41,5	68	90x122	60	86,2	104,3	122,4 256,8
N 80/N 125	90	16	6	15	41,5	68	90x122	60	95,8	124,9	154 423,4

OPTIONAL EXTRAS

CODE

EXTENSION SHAFT

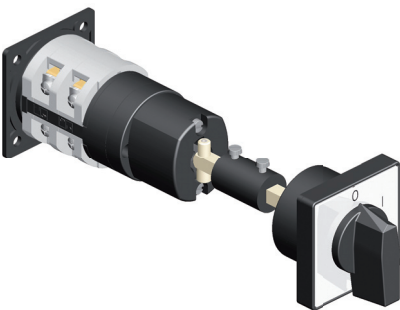


02

Standard version includes the P=100 mm.
It is necessary to define board depth (L+P).

N12	.....	O	02
N12H	.....	O	02
N20	.....	O	02
N20H	.....	O	02
N25	.....	O	02
N25H	.....	O	02
N32	.....	O	02
N32H	.....	O	02
N40	.....	O	02
N40H	.....	O	02
N63	.....	O	02
N63H	.....	O	02
N80	.....	O	02
N125	.....	O	02

EXTENSION SHAFT AND DOOR COUPLING



258

Door-opening in position "0". Different length for mounting.

N12	.....	O	258
N12H	.....	O	258
N20	.....	O	258
N20H	.....	O	258
N25	.....	O	258
N25H	.....	O	258
N32	.....	O	258
N40	.....	O	258
N63	.....	O	258



102

Door-opening in position "0". Standard version with 100 mm shaft.

CODE	VERSION
102	Standard version - shaft 100 mm
102 - 200	Shaft 200 mm

N12	.....	O	102
N12H	.....	O	102
N20	.....	O	102
N20H	.....	O	102
N25	.....	O	102
N25H	.....	O	102
N32	.....	O	102
N32H	.....	O	102
N40	.....	O	102
N40H	.....	O	102
N63	.....	O	102
N63H	.....	O	102
N80	.....	O	102
N125	.....	O	102



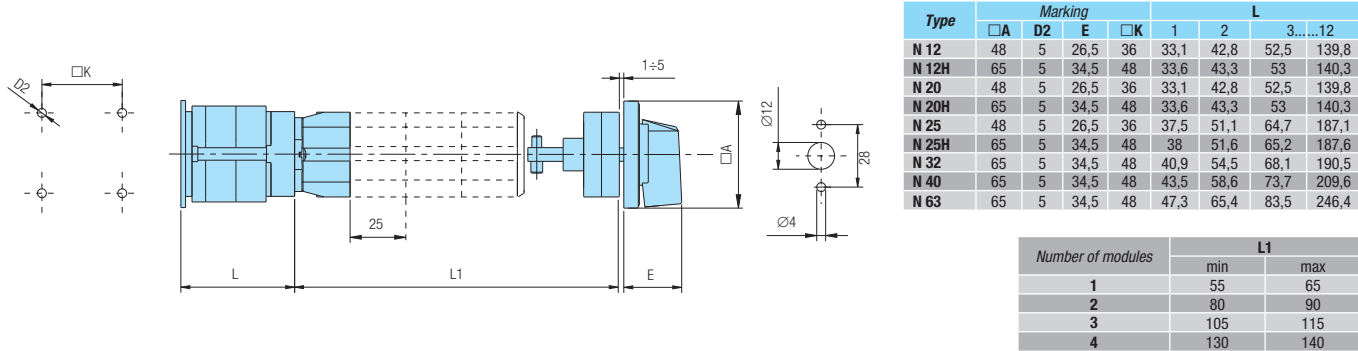
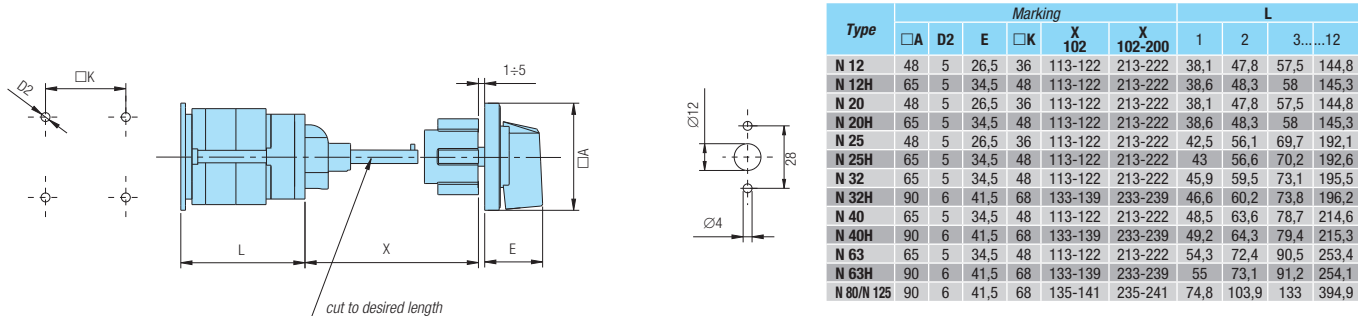
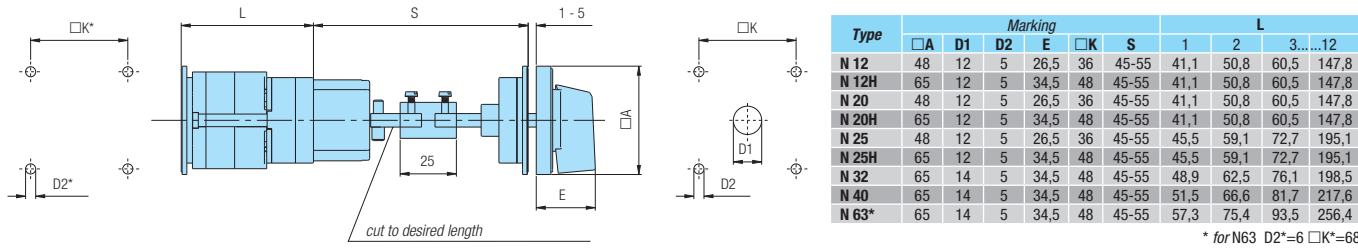
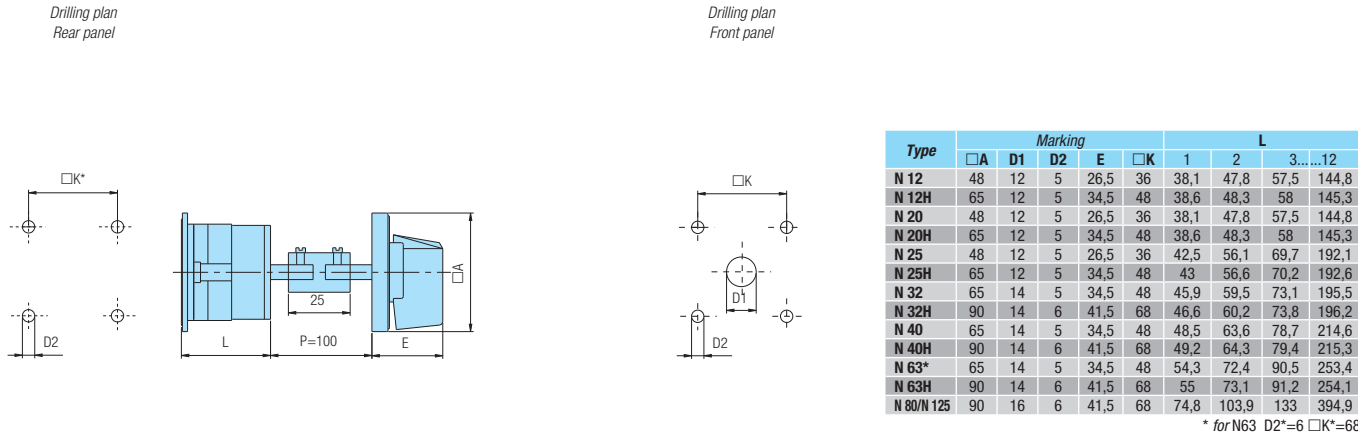
108D

Used to adapt switches with base mounting to different mounting depths. Door opening in position "0". Standard version with one module.

CODE	VERSION
108D	Standard version with one module
108D - 2	Version with two modules
108D - 3	Version with three modules
108D - 4	Version with four modules

N12	.....	O	108D
N12H	.....	O	108D
N20	.....	O	108D
N20H	.....	O	108D
N25	.....	O	108D
N25H	.....	O	108D
N32	.....	O	108D
N40	.....	O	108D
N63	.....	O	108D

DIMENSIONAL DRAWINGS (mm)



OPTIONAL EXTRAS

CODE

PROTECTION TUBE

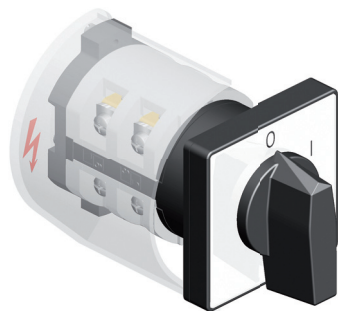


43

Rear protection IP42. Possibility to directly fitted on the standard switch.

N12	.....	U	43
N20	.....	U	43
N25	.....	U	43
N32	.....	U	43
N40	.....	U	43
N63	.....	U	43

PROTECTION COVER



19

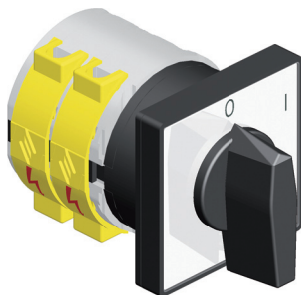
Protection against an accidental contact with the supplying terminals under voltage for the switches with only two elements.

N12	.....	U	19
N12H	.....	U	19
N20	.....	U	19
N20H	.....	U	19
N25	.....	U	19
N25H	.....	U	19
N32	.....	U	19
N32H	.....	U	19

N12	.....	O	19
N12H	.....	O	19
N20	.....	O	19
N20H	.....	O	19
N25	.....	O	19
N25H	.....	O	19
N32	.....	O	19
N32H	.....	O	19

N12	.....	U	69
N12H	.....	U	69
N20	.....	U	69
N20H	.....	U	69
N25	.....	U	69
N25H	.....	U	69
N40	.....	U	69
N40H	.....	U	69
N63	.....	U	69
N63H	.....	U	69
N80	.....	U	69
N125	.....	U	69

N12	.....	O	69
N12H	.....	O	69
N20	.....	O	69
N20H	.....	O	69
N25	.....	O	69
N25H	.....	O	69
N40	.....	O	69
N40H	.....	O	69
N63	.....	O	69
N63H	.....	O	69
N80	.....	O	69
N125	.....	O	69

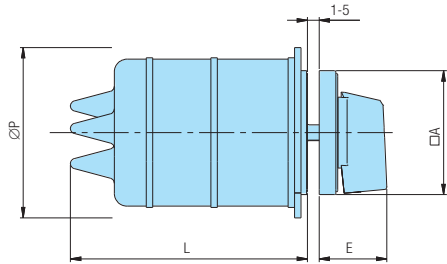


69

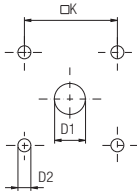
Protection against an accidental contact with the supplying terminals under voltage. Standard manner supplying terminals are protected (switches 0-1; 1-12 poles).

DIMENSIONAL DRAWINGS (mm)

Drilling plan
Rear panel

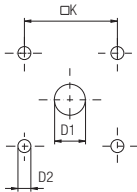
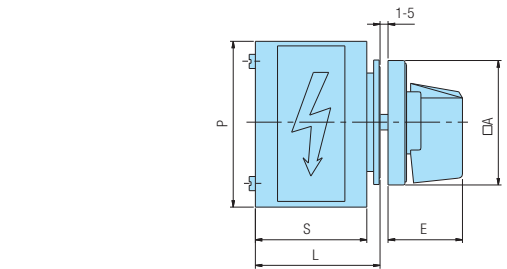


Drilling plan
Front panel

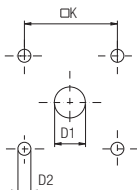
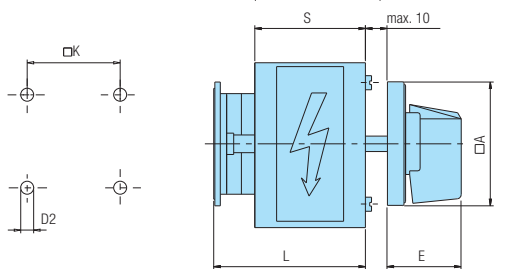


Type	Marking					
	□A	D1	D2	E	□K	∅P
N 12	48	12	5	26,5	36	66
N 20	48	12	5	26,5	36	66
N 25	48	12	5	26,5	36	66
N 32	65	14	5	34,5	48	89
N 40	65	14	5	34,5	48	89
N 63	65	14	5	34,5	48	89

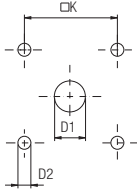
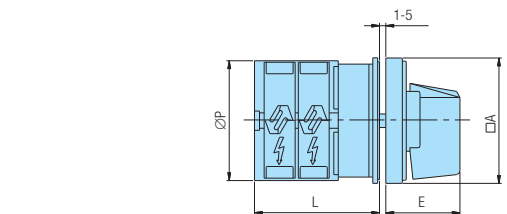
Type	No. of elements	L
N12, N20, N25	1-2	90
	3-4	115
	5-6	140
N32, N40	1-4	112,5



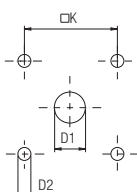
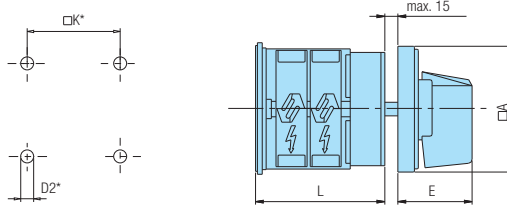
Type	Marking							
	□A	D1	D2	E	□K	S	P	L
N 12	48	12	5	26,5	36	43	64	49,3
N 12H	65	12	5	34,5	48	43	64	49,8
N 20	48	12	5	26,5	36	43	64	49,3
N 20H	65	12	5	34,5	48	43	64	49,8
N 25	48	12	5	26,5	36	51	68	57,6
N 25H	65	12	5	34,5	48	51	68	58,1
N 32	65	14	5	34,5	48	51	77	59,5
N 32H	90	14	6	41,5	68	51	77	60,2



Type	Marking						
	□A	D1	D2	E	□K	S	L
N 12	48	12	5	26,5	36	43	49,3
N 12H	65	12	5	34,5	48	43	49,8
N 20	48	12	5	26,5	36	43	49,3
N 20H	65	12	5	34,5	48	43	49,8
N 25	48	12	5	26,5	36	51	57,6
N 25H	65	12	5	34,5	48	51	58,1
N 32	65	14	5	34,5	48	51	59,5
N 32H	90	14	6	41,5	68	51	60,2



Type	Marking						L			
	□A	D1	D2	E	□K	∅P	1	2	3...12	
N 12	48	12	5	26,5	36	39	33,1	42,8	52,5	139,8
N 12H	65	12	5	34,5	48	39	33,6	43,3	53	140,3
N 20	48	12	5	26,5	36	39	33,1	42,8	52,5	139,8
N 20H	65	12	5	34,5	48	39	33,6	43,3	53	140,3
N 25	48	12	5	26,5	36	43	37,5	51,1	64,7	187,1
N 25H	65	12	5	34,5	48	58	38	51,6	65,2	187,6
N 40	65	14	5	34,5	48	58,5	43,5	58,6	73,7	209,6
N 40H	90	14	6	41,5	68	84	44,2	59,3	74,4	210,3
N 63	65	14	5	34,5	48	62	47,3	65,4	83,5	246,4
N 63H	90	14	6	41,5	68	84	48	66,1	84,2	247,1
N 80/N 125	90	16	6	41,5	68	86,5	67,3	96,4	125,5	387,4



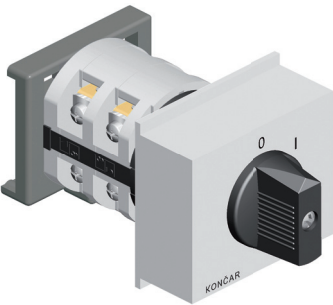
Type	Marking					L			
	□A	D1	D2	E	□K	1	2	3....12	
N 12	48	12	5	26,5	36	38,1	47,8	57,5	144,8
N 12H	65	12	5	34,5	48	38,6	48,3	58	67,7
N 20	48	12	5	26,5	36	38,1	47,8	57,5	144,8
N 20H	65	12	5	34,5	48	38,6	48,3	58	67,7
N 25	48	12	5	26,5	36	42,5	56,1	69,7	192,1
N 25H	65	12	5	34,5	48	43	56,6	70,2	192,6
N 40	65	14	5	34,5	48	48,5	63,6	78,7	214,6
N 40H	90	14	6	41,5	68	49,2	64,3	79,4	215,3
N 63*	65	14	5	34,5	48	54,3	72,4	90,5	253,4
N 63H	90	14	6	41,5	68	55	73,1	91,2	254,1
N 80/N 125	90	16	6	41,5	68	74,8	103,9	133	394,9

* for N63 D2*=6 □K*=68

OPTIONAL EXTRAS

CODE

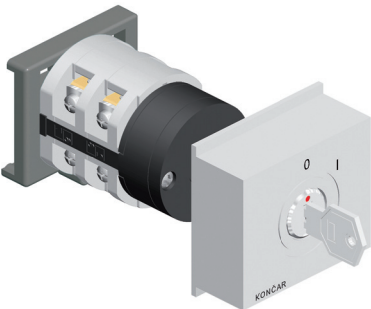
SERVICE COVER



48
48D

Snap on base mounting for the rail 35 EN 50022.
Both the service cover (45 mm) and handle are adjustable in height (optional extra 48).
Fixed measure L (optional extra 48D).

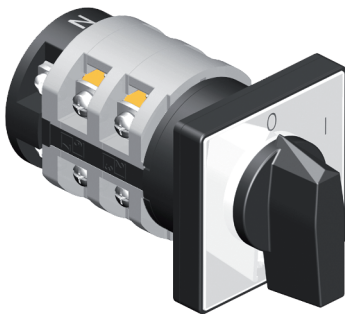
HANDLE	Y
	CODE
black	
red	40



49

Snap on base mounting for the rail 35 EN 50022.
Both the service cover (45 mm) and key are adjustable in height.

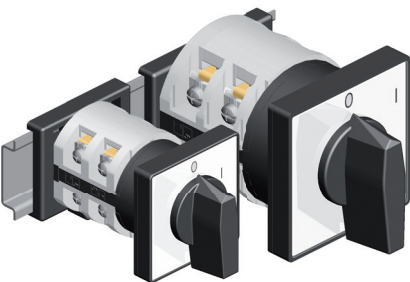
GROUND AND NEUTRAL TERMINAL



33

Ground (PE) and neutral (N) connecting unit.

NON-STANDARD MOUNTING



18

Mounting on the rail 35 EN 50022

N12	.....	O	48
N20	.....	O	48
N25	.....	O	48

N12	.....	O	48D
N20	.....	O	48D
N25	.....	O	48D

N12	.....	O	49
N20	.....	O	49
N25	.....	O	49

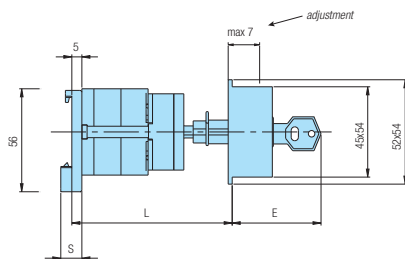
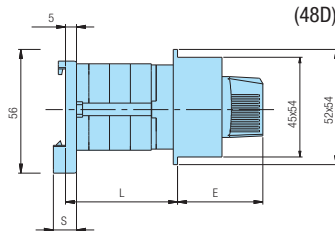
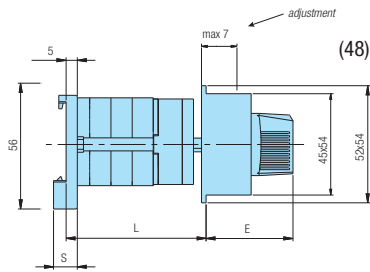
N12	.....	U	33
N12H	.....	U	33
N20	.....	U	33
N20H	.....	U	33
N25	.....	U	33
N25H	.....	U	33
N32	.....	U	33
N32H	.....	U	33
N40	.....	U	33
N40H	.....	U	33
N63	.....	U	33
N63H	.....	U	33

N12	.....	O	33
N12H	.....	O	33
N20	.....	O	33
N20H	.....	O	33
N25	.....	O	33
N25H	.....	O	33
N32	.....	O	33
N32H	.....	O	33
N40	.....	O	33
N40H	.....	O	33
N63	.....	O	33
N63H	.....	O	33

N12	.....	U	18
N12H	.....	U	18
N20	.....	U	18
N20H	.....	U	18
N25	.....	U	18
N25H	.....	U	18
N32	.....	U	18
N40	.....	U	18
N63	.....	U	18

N12	.....	O	18
N12H	.....	O	18
N20	.....	O	18
N20H	.....	O	18
N25	.....	O	18
N25H	.....	O	18
N32	.....	O	18
N40	.....	O	18
N63	.....	O	18

DIMENSIONAL DRAWINGS (mm)

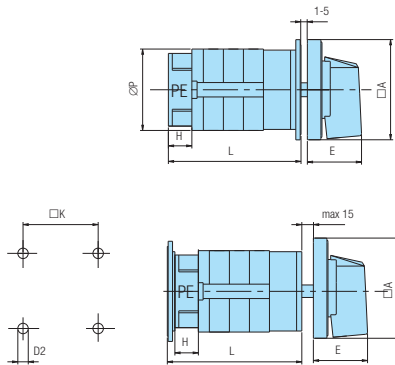


Type	Marking		L		
	E	S	1	2	3
N 12	39	10	41-48	51-58	60-67
N 20	39	10	41-48	51-58	60-67
N 25	39	10	45-52	59-66	72-79

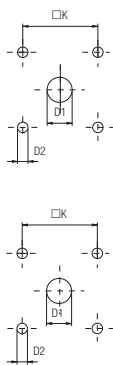
Type	Marking		L		
	E	S	1	2	3
N 12	39	10	38,1	47,8	57,5
N 20	39	10	38,1	47,8	57,5
N 25	39	10	42,5	56,1	69,7

Type	Marking		L		
	E	S	1	2	3
N 12	47	10	59-66	69-76	78-85
N 20	47	10	59-66	69-76	78-85
N 25	47	10	63-70	77-84	90-97

Drilling plan
Rear panel

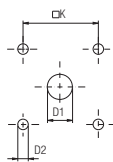
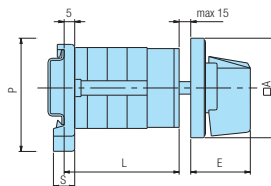
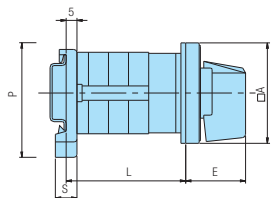


Drilling plan
Front panel



Type	Marking							L			
	□A	D1	D2	E	□K	H	∅P	1	2	3	...12
N 12	48	12	5	26,5	36	10,6	39	43,7	53,4	63,1	150,4
N 12H	65	12	5	34,5	48	10,6	58	44,2	53,9	63,6	150,9
N 20	48	12	5	26,5	36	10,6	39	43,7	53,4	63,1	150,4
N 20H	65	12	5	34,5	48	10,6	58	44,2	53,9	63,6	150,9
N 25	48	12	5	26,5	36	10,6	43	48,1	61,7	75,3	197,7
N 25H	65	12	5	34,5	48	10,6	58	48,6	62,2	75,8	198,2
N 32	65	14	5	34,5	48	15,5	58,5	56,4	70	83,6	206
N 32H	90	14	6	41,5	68	15,5	84	57,1	70,7	84,3	206,7
N 40	65	14	5	34,5	48	15,5	58,5	59	74,1	89,2	225,1
N 40H	90	14	6	41,5	68	15,5	84	59,7	74,8	89,9	225,8
N 63	65	14	5	34,5	48	15,5	62	62,8	80,9	99	261,9
N 63H	90	14	6	41,5	68	15,5	84	63,5	81,6	99,7	262,6

Type	Marking						L			
	□A	D1	D2	E	H	□K	1	2	3...12	
N 12	48	12	5	26,5	10,6	36	48,7	58,4	68,1	155,4
N 12H	65	12	5	34,5	10,6	48	49,2	58,9	68,6	155,9
N 20	48	12	5	26,5	10,6	36	48,7	58,4	68,1	155,4
N 20H	65	12	5	34,5	10,6	48	49,2	58,9	68,6	155,9
N 25	48	12	5	26,5	10,6	36	53,1	66,7	80,3	202,7
N 25H	65	12	5	34,5	10,6	48	53,6	67,2	80,8	203,2
N 32	65	14	5	34,5	15,5	48	61,4	75	88,6	211
N 32H	90	14	6	41,5	15,5	68	62,1	75,7	89,3	211,7
N 40	65	14	5	34,5	15,5	48	64	79,1	94,2	230,1
N 40H	90	14	6	41,5	15,5	68	64,7	79,8	94,9	230,8
N 63	65	14	5	34,5	15,5	48	69,8	87,9	106	268,9
N 63H	90	14	6	41,5	15,5	68	70,5	88,6	106,7	269,6



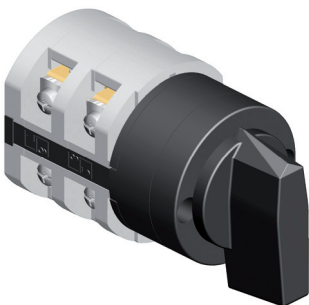
Type	Marking				L			
	□A	E	S	P	1	2	3	...12
N 12	48	26,5	10	49	38,1	47,8	57,5	144,8
N 12H	65	34,5	10	58,5	38,6	48,3	58	145,3
N 20	48	26,5	10	49	38,1	47,8	57,5	144,8
N 20H	65	34,5	10	58,5	38,6	48,3	58	145,3
N 25	48	26,5	10	51	42,5	56,1	69,7	192,1
N 25H	65	34,5	10	58,5	43	56,6	70,2	192,6
N 32	65	34,5	10	69,5	45,9	59,5	73,1	195,5
N 40	65	34,5	10	69,5	48,5	63,6	78,7	214,6
N 63	65	34,5	10	71	52,3	70,4	88,5	251,4

Type	Marking							L			
	□A	D1	D2	E	□K	S	P	1	2	3	...12
N 12	48	12	5	26,5	36	10	49	38,1	47,8	57,5	144,8
N 12H	65	12	5	34,5	48	10	58,5	38,6	48,3	58	145,3
N 20	48	12	5	26,5	36	10	49	38,1	47,8	57,5	144,8
N 20H	65	12	5	34,5	48	10	58,5	38,6	48,3	58	145,3
N 25	48	12	5	26,5	36	10	51	42,5	56,1	69,7	192,1
N 25H	65	12	5	34,5	48	10	58,5	43	56,6	70,2	192,6
N 32	65	14	5	34,5	48	10	69,5	45,9	59,5	73,1	195,5
N 40	65	14	5	34,5	48	10	69,5	48,5	63,6	78,7	214,6
N 63	65	14	5	34,5	48	10	71	52,3	70,4	88,5	251,4

OPTIONAL EXTRAS

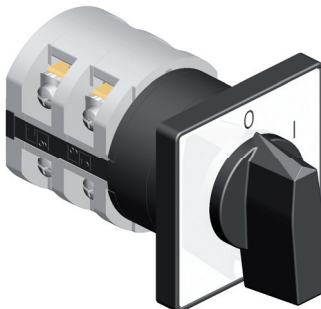
CODE

NON-STANDARD MOUNTING



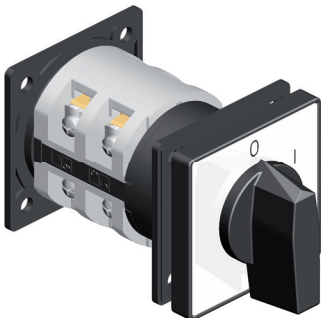
38D
38T

Mounting by two screws M4, at a distance 28 mm (optional extra 38D) or at a distance 30 mm (optional extra 38T), without front plate.



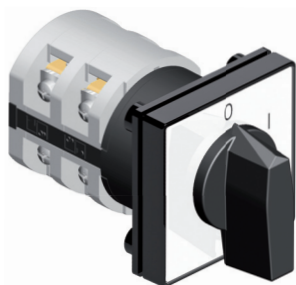
39D
39T

Mounting by two screws M4, at a distance 28 mm (optional extra 39D) or at a distance 30 mm (optional extra 39T), with front plate.



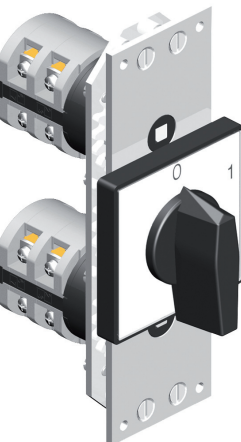
40

Front - rear mounting



31

Mounting by four inserted nuts M4.



34

Two columns switches can be operated simultaneously.

N12	.....	U	38D	38T
N20	.....	U	38D	38T
N25	.....	U	38D	38T
N32	.....	U	38D	38T
N40	.....	U	38D	38T
N63	.....	U	38D	38T

N12	.....	U	39D	39T
N12H	.....	U	39D	39T
N20	.....	U	39D	39T
N20H	.....	U	39D	39T
N25	.....	U	39D	39T
N25H	.....	U	39D	39T
N32	.....	U	39D	39T
N40	.....	U	39D	39T
N63	.....	U	39D	39T

N12	.....	U	40	
N12H	.....	U	40	
N20	.....	U	40	
N20H	.....	U	40	
N25	.....	U	40	
N25H	.....	U	40	
N32	.....	U	40	
N32H	.....	U	40	
N40	.....	U	40	
N40H	.....	U	40	
N63	.....	U	40	
N63H	.....	U	40	
N80	.....	U	40	
N125	.....	U	40	

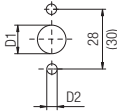
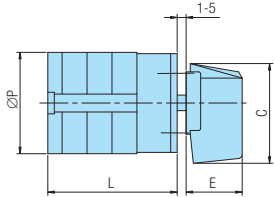
N12	.....	U	31	
N12H	.....	U	31	
N20	.....	U	31	
N20H	.....	U	31	
N25	.....	U	31	
N25H	.....	U	31	
N32	.....	U	31	
N32H	.....	U	31	
N40	.....	U	31	
N40H	.....	U	31	
N63	.....	U	31	
N63H	.....	U	31	
N80	.....	U	31	
N125	.....	U	31	

N12	.....	U	34	
N20	.....	U	34	
N25	.....	U	34	
N32	.....	U	34	
N40	.....	U	34	
N63	.....	U	34	

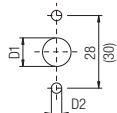
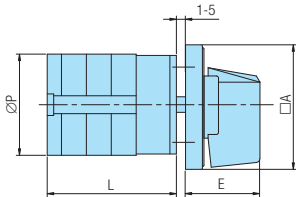
DIMENSIONAL DRAWINGS (mm)

Drilling plan
Rear panel

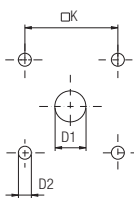
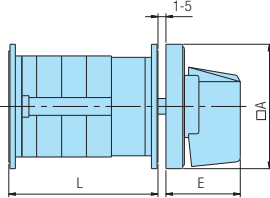
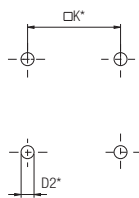
Drilling plan
Front panel



Type	Marking					L							
	C	D1	D2	E	ØP	1	2	3	6	7	8		
N 12	39,5	12	5	19	39	36,1	45,8	55,5	84,6	94,3	104		
N 20	39,5	12	5	19	39	36,1	45,8	55,5	84,6	94,3	104		
N 25	39,5	12	5	19	43	40,5	54,1	67,7	108,5	122,1	135,7		
N 32	53	14	5	25	58,5	43,9	57,5	71,1	111,9	-	-		
N 40	53	14	5	25	58,5	46,5	61,6	76,7	122	-	-		
N 63	53	14	5	25	62	50,3	68,4	86,5	140,8	-	-		

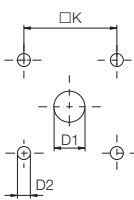
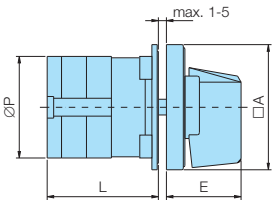


Type	Marking					L							
	□A	D1	D2	E	ØP	1	2	3	6	7	8		
N 12	48	12	5	26,5	39	36,1	45,8	55,5	84,6	94,3	104		
N12H	65	14	5	34,5	39	36,1	45,8	55,5	84,6	94,3	104		
N 20	48	12	5	26,5	39	36,1	45,8	55,5	84,6	94,3	104		
N20H	65	14	5	34,5	39	36,1	45,8	55,5	84,6	94,3	104		
N 25	48	12	5	26,5	43	40,5	54,1	67,7	108,5	122,1	135,7		
N25H	65	14	5	34,5	43	40,5	54,1	67,7	108,5	122,1	135,7		
N 32	65	14	5	34,5	58,5	43,9	57,5	71,1	112,6	-	-		
N 40	65	14	5	34,5	58,5	46,5	61,6	76,7	122	-	-		
N 63	65	14	5	34,5	62	50,3	68,4	86,5	140,8	-	-		

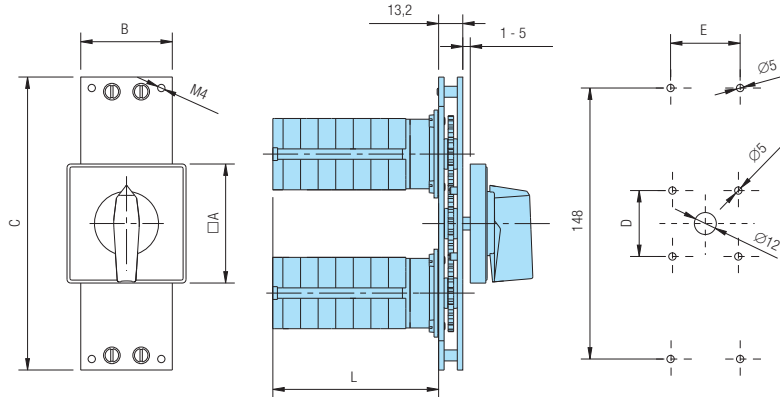


Type	Marking					L						
	□A	D1	D2	E	□K	1	2	3	6	7	8	12
N 12	48	12	5	26,5	36	38,1	47,8	57,5	84,6	94,3	104	144,8
N 12H	65	12	5	34,5	48	39,1	48,8	58,5	84,6	94,3	104	144,8
N 20	48	12	5	26,5	36	38,1	47,8	57,5	84,6	94,3	104	144,8
N 20H	65	12	5	34,5	48	39,1	48,8	58,5	84,6	94,3	104	144,8
N 25	48	12	5	26,5	36	42,5	56,1	69,7	108,5	122,1	135,7	192,1
N 25H	65	12	5	34,5	48	43,5	57,1	70,7	108,5	122,1	135,7	193,1
N 32	65	14	5	34,5	48	46,4	60	73,6	108,5	122,1	135,7	196
N 32H	90	14	6	41,5	68	48,4	62	75,6	108,5	122,1	135,7	198
N 40	65	14	5	34,5	48	49	64,1	79,2	108,5	122,1	135,7	215,1
N 40H	90	14	6	41,5	68	51,7	66,8	81,9	108,5	122,1	135,7	217,8
N 63*	65	14	5	34,5	48	52,8	70,9	89	108,5	122,1	135,7	251,9
N 63H	90	14	6	41,5	68	60,3	78,4	96,5	108,5	122,1	135,7	259,4
N 80/N 125	90	16	6	41,5	68	74,8	103,9	133	108,5	122,1	135,7	394,9

* for N63 D2*=6 □K*=68



Type	Marking					L						
	□A	D1	D2	E	□K	1	2	3	6	7	8	12
N 12	48	12	5	26,5	36	39	33,1	42,8	52,5	62,2	71,9	139,8
N 12H	65	12	5	34,5	48	38	33,1	42,8	52,5	62,2	71,9	139,8
N 20	48	12	5	26,5	36	39	33,1	42,8	52,5	62,2	71,9	139,8
N 20H	65	12	5	34,5	48	38	33,1	42,8	52,5	62,2	71,9	139,8
N 25	48	12	5	26,5	36	43	37,5	51,1	64,7	78,3	91,9	187,1
N 25H	65	12	5	34,5	48	58	38	51,6	65,2	78,8	92,4	190,5
N 32	65	14	5	34,5	48	58,5	40,9	54,5	68,1	81,7	95,3	190,5
N 32H	90	14	6	41,5	68	84	41,6	55,2	68,8	82,4	96,0	209,6
N 40	65	14	5	34,5	48	58,5	43,5	57,1	70,7	84,3	97,9	209,6
N 40H	90	14	6	41,5	68	84	44,2	57,8	71,4	85,0	98,6	209,6
N 63	65	14	5	34,5	48	62	47,3	60,9	74,5	88,1	101,7	246,4
N 63H	90	14	6	41,5	68	84	48	61,6	75,2	88,8	102,4	246,4
N 80/N 125	90	16	6	41,5	68	88	67,3	80,9	94,5	108,1	121,7	246,4

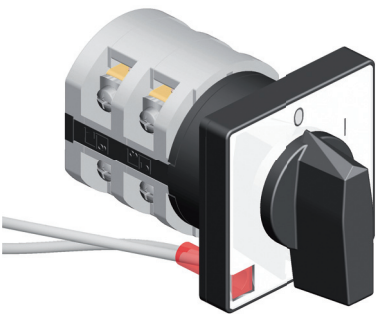


Type	Marking					L						
	□A	B	C	D	E	1	2	3	6	7	8	12
N 12	65	50	160	36	38	33,1	42,8	52,5	84,6	94,3	104	139,8
N 20	65	50	160	36	38	33,1	42,8	52,5	84,6	94,3	104	139,8
N 25	65	50	160	36	38	37,5	51,1	64,7	108,5	122,1	135,7	187,1
N 32	90	65	160	48	53	40,9	54,5	68,1	108,5	122,1	135,7	190,5
N 40	90	65	160	48	53	43,5	57,1	70,7	108,5	122,1	135,7	209,6
N 63	90	65	160	48	53	47,3	60,9	74,5	108,5	122,1	135,7	246,4

OPTIONAL EXTRAS

CODE

SIGNAL LAMPS

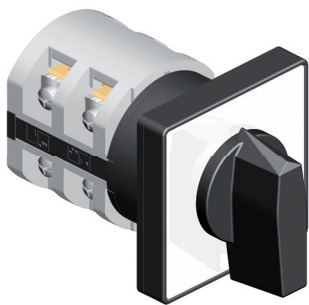


15

In a standard manner, the red lamp (230 V) is built in the right bottom corner. Possible voltages are 110; 400 V and green lamp, too (please define). On special request second lamp can be built in the left bottom corner.

N12	.....	U	15
N12H	.....	U	15
N20	.....	U	15
N20H	.....	U	15
N25	.....	U	15
N25H	.....	U	15
N32	.....	U	15
N32H	.....	U	15
N40	.....	U	15
N40H	.....	U	15
N63	.....	U	15
N63H	.....	U	15
N80	.....	U	15
N125	.....	U	15
N12	.....	O	15
N12H	.....	O	15
N20	.....	O	15
N20H	.....	O	15
N25	.....	O	15
N25H	.....	O	15
N32	.....	O	15
N32H	.....	O	15
N40	.....	O	15
N40H	.....	O	15
N63	.....	O	15
N63H	.....	O	15
N80	.....	O	15
N125	.....	O	15

BLOCKADE OF THE ROTATION DIRECTION

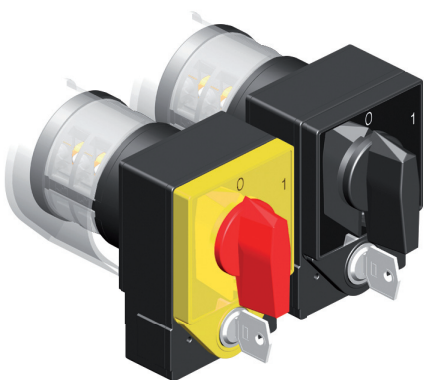


28

The left direction is blocked.

N12	.....	U	28
N12H	.....	U	28
N20	.....	U	28
N20H	.....	U	28
N25	.....	U	28
N25H	.....	U	28
N32	.....	U	28
N32H	.....	U	28
N40	.....	U	28
N40H	.....	U	28
N63	.....	U	28
N63H	.....	U	28
N12	.....	O	28
N12H	.....	O	28
N20	.....	O	28
N20H	.....	O	28
N25	.....	O	28
N25H	.....	O	28
N32	.....	O	28
N32H	.....	O	28
N40	.....	O	28
N40H	.....	O	28
N63	.....	O	28
N63H	.....	O	28

MAIN SWITCH
MAIN SWITCH WITH EMERGENCY



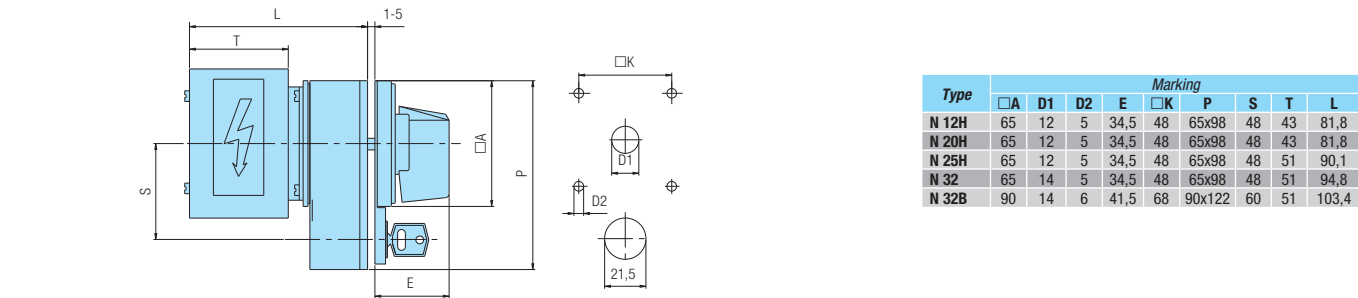
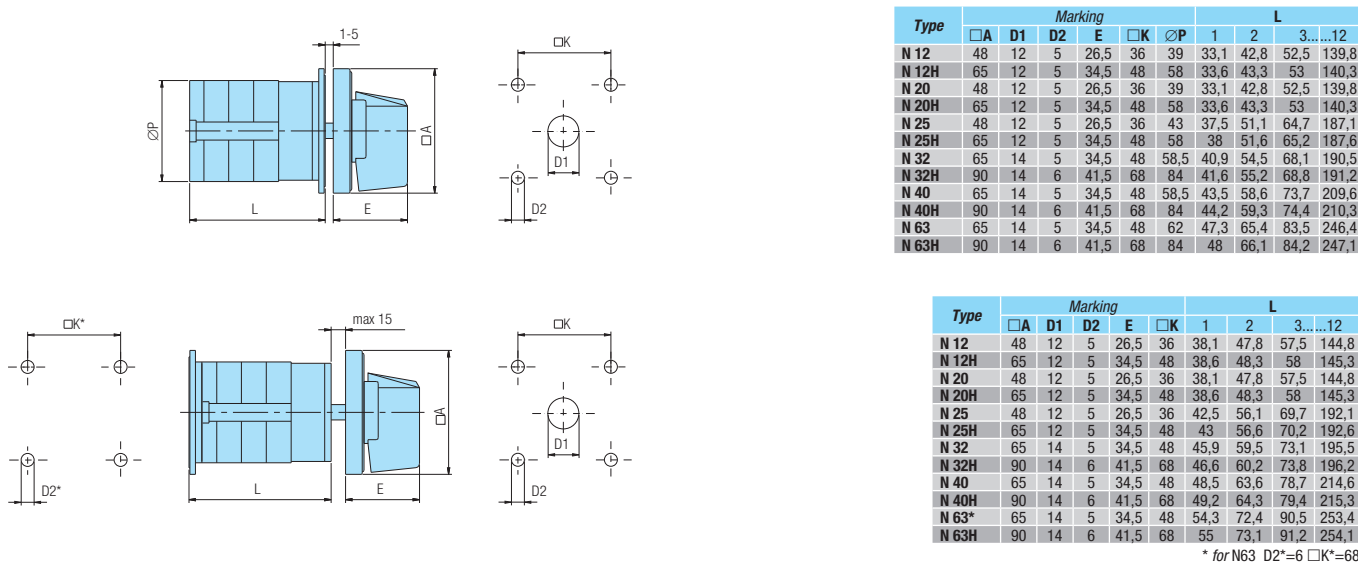
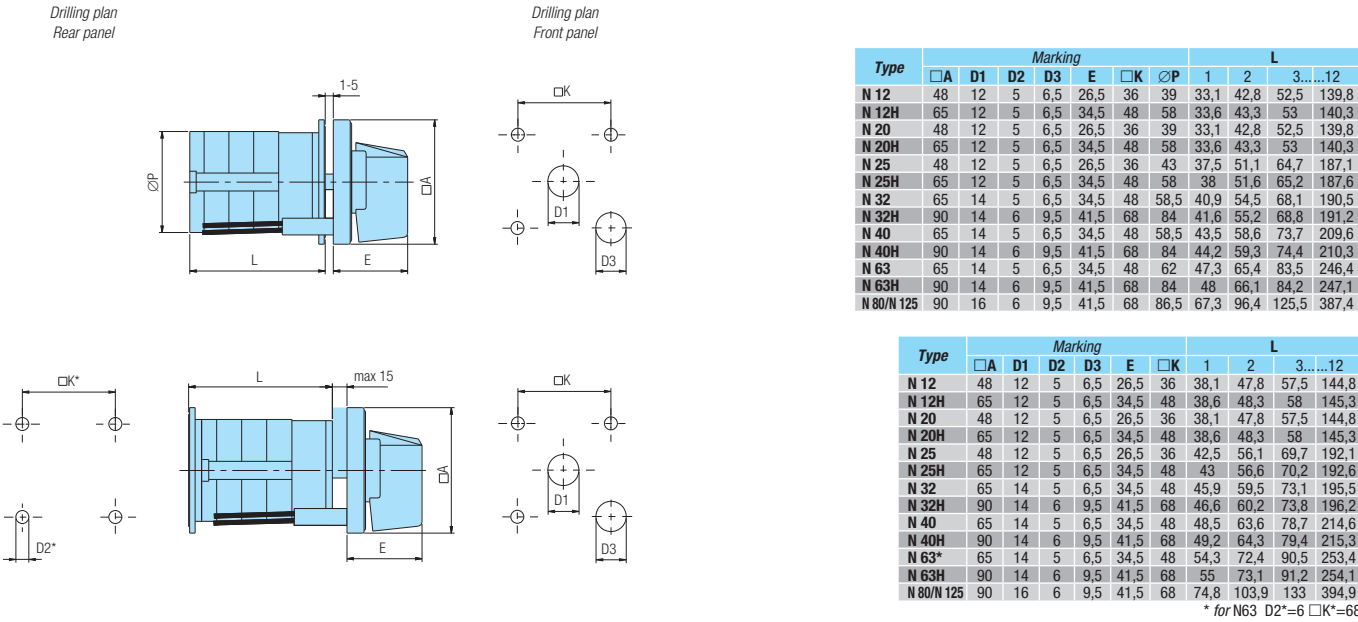
21
22

Locking by means of the key only in "0". Protection against an accidental contact with the supplying terminals under voltage. Switching angle 60° and 90°.



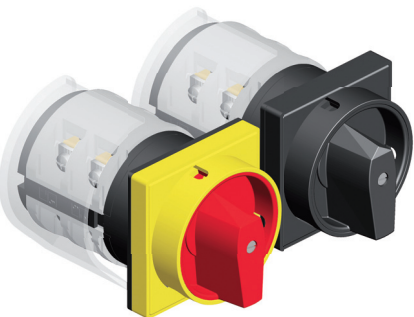
N12H	.....	U	21	22
N20H	.....	U	21	22
N25H	.....	U	21	22
N32	.....	U	21	22
N32B	.....	U	21	22

DIMENSIONAL DRAWINGS (mm)



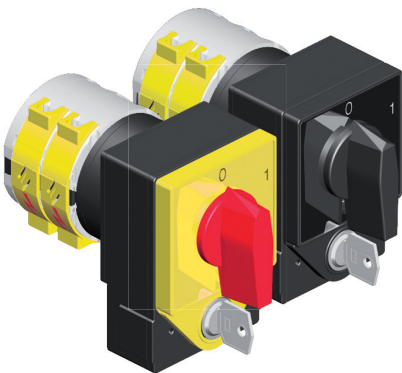
OPTIONAL EXTRAS

MAIN SWITCH
MAIN SWITCH WITH EMERGENCY



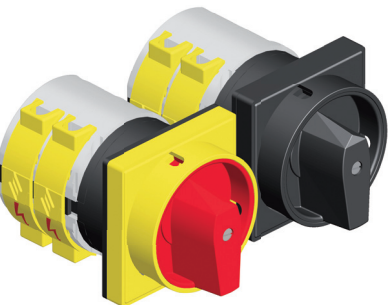
23
25

Locking only in "0".
Protection against an accidental contact with the
supplying terminals under voltage. Switching angle 60°
and 90°.



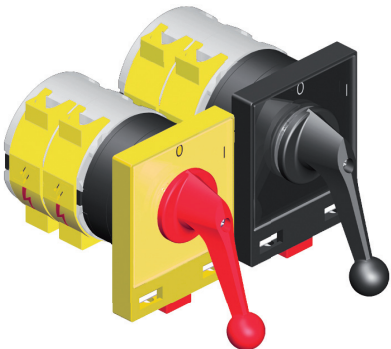
61
62

Locking by means of the key only in "0".
Protection against an accidental contact with the
supplying terminals under voltage. Switching angle 60°
and 90°.



63
65

Locking only in "0".
Protection against an accidental contact with the
supplying terminals under voltage. Switching angle 60°
and 90°.



63D
65D

In standard manner locking is in "0".
Protection against an accidental contact with the
supplying terminals under voltage. Switching angle 60°
and 90°.

CODE

N12	.....	U	23	25
N12H	.....	U	23	25
N20	.....	U	23	25
N20H	.....	U	23	25
N25	.....	U	23	25
N25H	.....	U	23	25
N32	.....	U	23	25
N32H	.....	U	23	25

N12	.....	O	23	25
N12H	.....	O	23	25
N20	.....	O	23	25
N20H	.....	O	23	25
N25	.....	O	23	25
N25H	.....	O	23	25
N32	.....	O	23	25
N32H	.....	O	23	25

N12H	.....	U	61	62
N20H	.....	U	61	62
N25H	.....	U	61	62
N40	.....	U	61	62
N40B	.....	U	61	62
N63	.....	U	61	62
N63B	.....	U	61	62
N80	.....	U	61	62
N125	.....	U	61	62

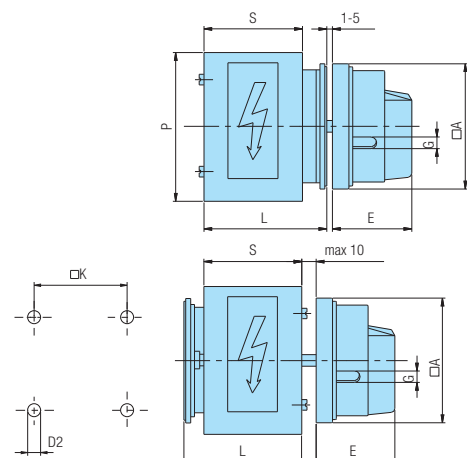
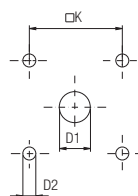
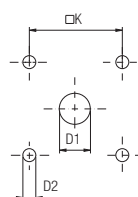
N12	.....	U	63	65
N12H	.....	U	63	65
N20	.....	U	63	65
N20H	.....	U	63	65
N25	.....	U	63	65
N25H	.....	U	63	65
N40	.....	U	63	65
N40H	.....	U	63	65
N63	.....	U	63	65
N63H	.....	U	63	65
N80	.....	U	63	65
N125	.....	U	63	65

N12	.....	O	63	65
N12H	.....	O	63	65
N20	.....	O	63	65
N20H	.....	O	63	65
N25	.....	O	63	65
N25H	.....	O	63	65
N40	.....	O	63	65
N40H	.....	O	63	65
N63	.....	O	63	65
N63H	.....	O	63	65
N80	.....	O	63	65
N125	.....	O	63	65

N40H	.....	U	63D	65D
N63H	.....	U	63D	65D
N80	.....	U	63D	65D
N125	.....	U	63D	65D

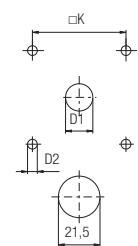
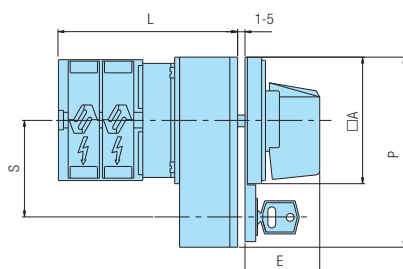
N40H	.....	O	63D	65D
N63H	.....	O	63D	65D
N80	.....	O	63D	65D
N125	.....	O	63D	65D

DIMENSIONAL DRAWINGS (mm)

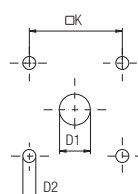
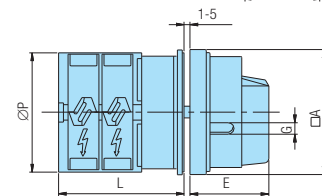
Drilling plan
Rear panelDrilling plan
Front panel

Type	Marking								
	□A	D1	D2	E	G	□K	S	P	L
N 12	48	12	5	34,2	5	36	43	64	51,3
N 12H	65	12	5	38	6	48	43	64	51,8
N 20	48	12	5	34,2	5	36	43	64	51,3
N 20H	65	12	5	38	6	48	43	64	51,8
N 25	48	12	5	34,2	5	36	51	68	59,6
N 25H	65	12	5	38	6	48	51	68	60,1
N 32	65	14	5	38	6	48	51	77	64,9
N 32H	90	14	6	49	7	68	51	77	65,6

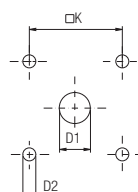
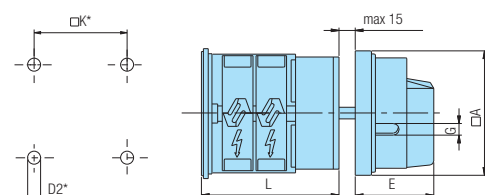
Type	Marking							
	□A	D1	D2	E	G	□K	S	L
N 12	48	12	5	34,2	5	36	43	51,3
N 12H	65	12	5	38	6	48	43	51,8
N 20	48	12	5	34,2	5	36	43	51,3
N 20H	65	12	5	38	6	48	43	51,8
N 25	48	12	5	34,2	5	36	51	59,6
N 25H	65	12	5	38	6	48	51	60,1
N 32	65	14	5	38	6	48	51	64,9
N 32H	90	14	6	49	7	68	51	65,6



Type	Marking								L			
	□A	D1	D2	E	□K	P	S	1	2	3...12		
N 12H	65	12	5	34,5	48	65x98	48	63,6	73,3	83 170,3		
N 20H	65	12	5	34,5	48	65x98	48	63,6	73,3	83 170,3		
N 25H	65	12	5	34,5	48	65x98	48	68	81,6	95,2 217,6		
N 40	65	14	5	34,5	48	65x98	48	73,5	88,6	103,7 239,6		
N 40B	90	16	6	41,5	68	90x122	60	82,4	97,5	112,6 248,5		
N 63	65	14	5	34,5	48	65x98	48	77,3	95,4	113,5 276,4		
N 63B	90	16	6	41,5	68	90x122	60	86,2	104,3	122,4 256,8		
N 80/N 125	90	16	6	41,5	68	90x122	60	95,8	124,9	154 423,4		

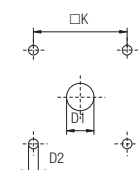
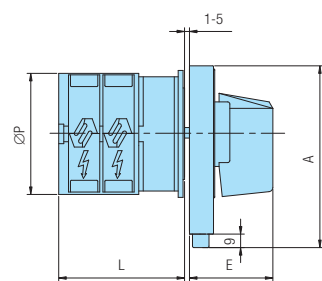


Type	Marking							L				
	□A	D1	D2	E	G	□K	∅P	1	2	3...12		
N 12	48	12	5	34,2	5	36	39	33,1	42,8	52,5 139,8		
N 12H	65	12	5	38	6	48	58	33,6	43,3	53 140,3		
N 20	48	12	5	34,2	5	36	39	33,1	42,8	52,5 139,8		
N 20H	65	12	5	38	6	48	58	33,6	43,3	53 140,3		
N 25	48	12	5	34,2	5	36	43	37,5	51,1	64,7 187,1		
N 25H	65	12	5	38	6	48	58	38	51,6	65,2 187,6		
N 40	65	14	5	38	6	48	58,5	43,5	58,6	73,7 209,6		
N 40H	90	14	6	49	7	68	84	44,2	59,3	74,4 210,3		
N 63	65	14	5	38	6	48	62	47,3	65,4	83,5 246,4		
N 63H	90	14	6	49	7	68	84	48	66,1	84,2 247,1		
N 80/N 125	90	16	6	49	7	68	88	67,3	96,4	125,5 394,9		



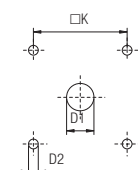
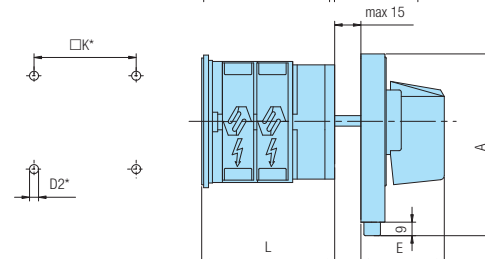
Type	Marking						L				
	□A	D1	D2	E	G	□K	1	2	3...12		
N 12	48	12	5	34,2	5	36	38,1	47,8	57,5	144,8	
N 12H	65	12	5	38	6	48	38,6	48,3	58	145,3	
N 20	48	12	5	34,2	5	36	38,1	47,8	57,5	144,8	
N 20H	65	12	5	38	6	48	38,6	48,3	58	145,3	
N 25	48	12	5	34,2	5	36	42,5	56,1	69,7	192,1	
N 25H	65	12	5	38	6	48	43	56,6	70,2	192,6	
N 40	65	14	5	38	6	48	48,5	63,6	78,7	214,6	
N 40H	90	14	6	49	7	68	49,2	64,3	79,4	215,3	
N 63*	65	14	5	38	6	48	54,3	72,4	90,5	253,4	
N 63H	90	14	6	49	7	68	55	73,1	91,2	254,1	
N 80/N 125	90	16	6	49	7	68	74,8	103,9	133	394,9	

* for N63 D2*=6 □K*=68



Type	Marking						L				
	A	D1	D2	E	□K	∅P	1	2	3...12		
N 32H	90x112	14	5	48	48	58,5	41,6	55,2	68,8	191,2	
N 40H	90x112	14	5	48	48	58,5	44,2	59,3	74,4	210,3	
N 63H	90x112	14	5	48	48	62	48	66,1	84,2	247,1	
N 80/N 125	90x112	16	6	48	68	86,5	67,3	96,4	125,5	394,9	

* for N63 D2*=6 □K*=68



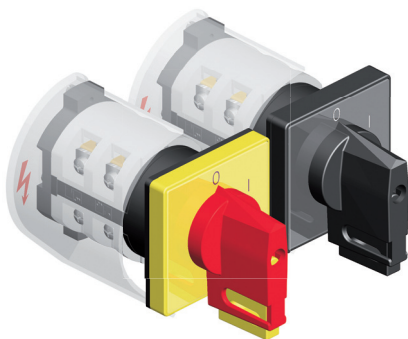
Type	Marking						L			
	A	D1	D2	E	□K	1	2	3	...12	
N 32H	90x112	14	5	48	48	46,6	60,2	73,8	196,2	
N 40H	90x112	14	5	48	48	49,2	64,3	79,4	215,3	
N 63H	90x112	14	5	48	48	55	73,1	91,2	254,1	
N 80/N 125	90x112	16	6	48	68	74,8	103,9	133	394,9	

* for N63 D2*=6 □K*=68

OPTIONAL EXTRAS

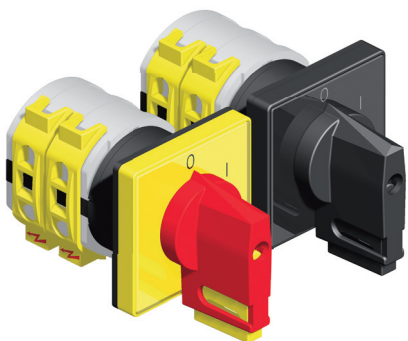
CODE

MAIN SWITCH
MAIN SWITCH WITH EMERGENCY



75 73

Locking (1-3) only in "0".
Protection against an accidental contact with the
supplying terminals under voltage. Switching angle 60°
and 90°.



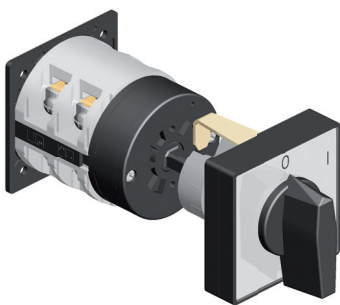
93
95

Locking (1-3) only in "0".
Protection against an accidental contact with the
supplying terminals under voltage. Switching angle 60°
and 90°.



N12	.....	U	73	75
N20	.....	U	73	75
N25	.....	U	73	75
or				
N12	.....	O	73	75
N20	.....	O	73	75
N25	.....	O	73	75
or				
N12	.....	U	93	95
N20	.....	U	93	95
N25	.....	U	93	95
or				
N12	.....	O	93	95
N20	.....	O	93	95
N25	.....	O	93	95

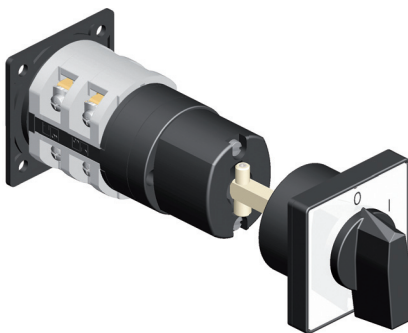
DOOR COUPLING



07
08

Door-opening in any position (07) or only in "0" (08).
When required "S" is bigger then offered, it is necessary
to define "S" or depth of the board (L+S).
Minimal distance to the door-hinge 150 mm.

N12H	.....	O	07	08
N20H	.....	O	07	08
N25H	.....	O	07	08
N32	.....	O	07	08
N32H	.....	O	07	08
N40	.....	O	07	08
N40H	.....	O	07	08
N63	.....	O	07	08
N63H	.....	O	07	08
N80	.....	O	07	08
N125	.....	O	07	08

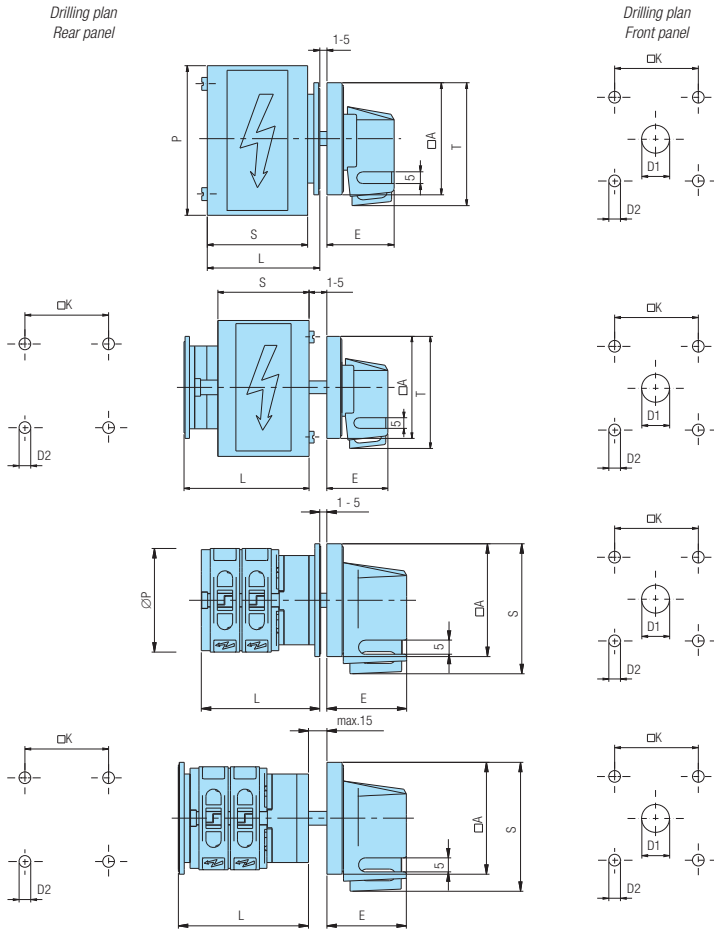


57, 58
58D

Door-opening in any position (57) or only in "0" (58).
Mounting with 4 screws (optional extra 57, 58).
Mounting with 2 screws (optional extra 58D).
Minimal distance to the door-hinge 150 mm.

N12	.....	O	57	58
N12H	.....	O	57	58
N20	.....	O	57	58
N20H	.....	O	57	58
N25	.....	O	57	58
N25H	.....	O	57	58
N32	.....	O	57	58
N40	.....	O	57	58
N63	.....	O	57	58
or				
N12	.....	O	58D	
N12H	.....	O	58D	
N20	.....	O	58D	
N20H	.....	O	58D	
N25	.....	O	58D	
N25H	.....	O	58D	
N32	.....	O	58D	
N40	.....	O	58D	
N63	.....	O	58D	

DIMENSIONAL DRAWINGS (mm)

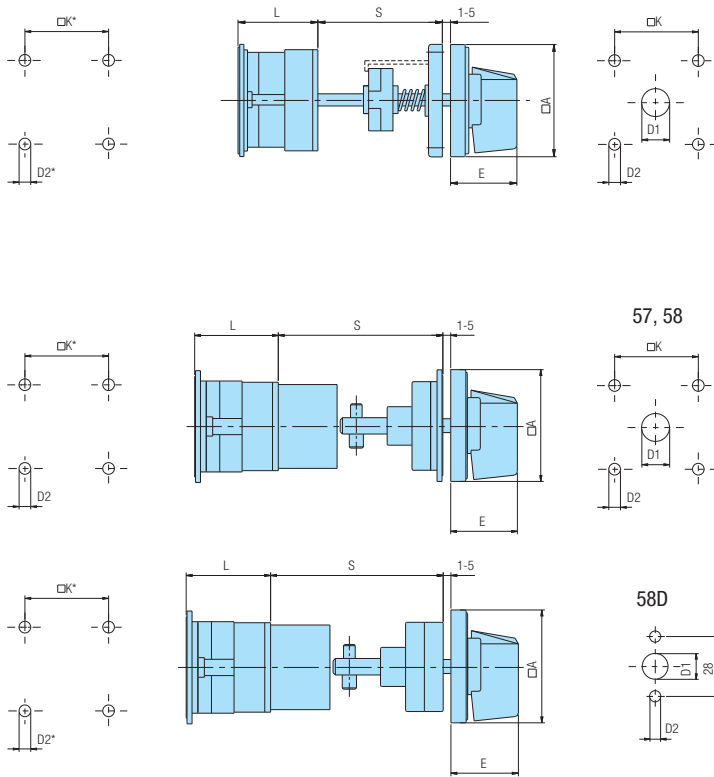


Type	Marking								
	□A	D1	D2	E	□K	S	P	T	L
N 12	48	12	5	34,5	36	43	64	57	51,3
N 20	48	12	5	34,5	36	43	64	57	51,3
N 25	48	12	5	34,5	36	51	68	57	59,6

Type	Marking								
	□A	D1	D2	E	□K	S	T	L	
N 12	48	12	5	34,5	36	43	57	51,3	
N 20	48	12	5	34,5	36	43	57	51,3	
N 25	48	12	5	34,5	36	51	57	59,6	

Type	Marking								L			
	□A	D1	D2	E	□K	∅P	S		1	2	3...12	
N 12	48	12	5	34,5	36	39	57		33,1	42,8	52,5	139,8
N 20	48	12	5	34,5	36	39	57		33,1	42,8	52,5	139,8
N 25	48	12	5	34,5	36	43	57		37,5	51,1	64,7	187,1

Type	Marking								L			
	□A	D1	D2	E	□K	S			1	2	3...12	
N 12	48	12	5	34,5	36	57			38,1	47,8	57,5	144,8
N 20	48	12	5	34,5	36	57			38,1	47,8	57,5	144,8
N 25	48	12	5	34,5	36	57			42,5	56,1	69,7	192,1



Type	Marking								L			
	□A	D1	D2	E	□K	S			1	2	3...12	
N 12H	65	12	5	34,5	48	60			41,1	50,8	60,5	147,8
N 20H	65	12	5	34,5	48	60			41,1	50,8	60,5	147,8
N 25H	65	12	5	34,5	48	60			45,5	59,1	72,7	195,1
N 32	65	14	5	34,5	48	64			48,9	62,5	76,1	198,5
N 32H	90	14	6	41,5	68	64			48,9	62,5	76,1	198,5
N 40	65	14	5	34,5	48	64			51,5	66,6	81,7	217,6
N 40H	90	14	6	41,5	68	64			51,5	66,6	81,7	217,6
N 63*	65	14	5	34,5	48	64			57,3	75,4	93,5	256,4
N 63H	90	14	6	41,5	68	64			57,3	75,4	93,5	256,4
N 80/N 125	90	16	6	41,5	68	76			74,8	103,9	133	394,9

* N63 D2*=6 □K*=68

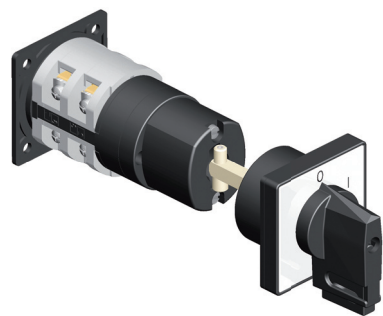
Type	Marking								L			
	□A	D1	D2	E	□K	S			1	2	3...12	
N 12	48	12	5	26,5	36	45-55			41,1	50,8	60,5	147,8
N 12H	65	12	5	34,5	48	45-55			41,1	50,8	60,5	147,8
N 20	48	12	5	26,5	36	45-55			41,1	50,8	60,5	147,8
N 20H	65	12	5	34,5	48	45-55			41,1	50,8	60,5	147,8
N 25	48	12	5	26,5	36	45-55			45,5	59,1	72,7	195,1
N 25H	65	12	5	34,5	48	45-55			45,5	59,1	72,7	195,1
N 32	65	14	5	34,5	48	45-55			48,9	62,5	76,1	198,5
N 40	65	14	5	34,5	48	45-55			51,5	66,6	81,7	217,6
N 63*	65	14	5	34,5	48	45-55			57,3	75,4	93,5	256,4

* for N63 D2*=6 □K*=68

OPTIONAL EXTRAS

CODE

DOOR COUPLING

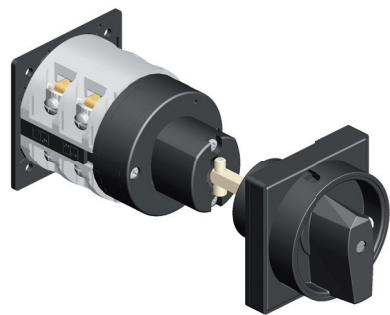


85

Padlocking (1-3) only in "0".
Door-opening only in "0" position.
When required "S" is bigger then offered, it is necessary
to define "S" or depth of the board (L+S). Minimal
distance to the door-hinge 150 mm.

HANDLE	ESCUTCH. PLATE	FRONT PLATE	Y CODE
black	white	black	
grey	white	grey	20
red-yellow	yellow	yellow	40

N12	.....	O	85
N20	.....	O	85
N25	.....	O	85

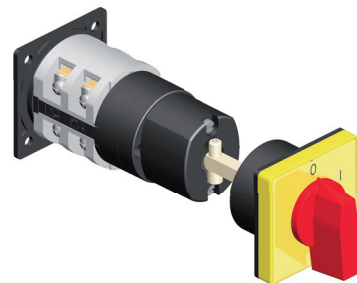


87

Padlocking only in "0".
Door-opening only in "0" position.
It is being used at the switches 0-1 (60°, 90°). Possible
use (60°) with several positions (max. 6).
When required "S" is bigger then offered, it is necessary
to define "S" or depth of the board (L+S). Minimal
distance to the door-hinge 150 mm.

HANDLE	ESCUTCH. PLATE	FRONT PLATE	Y CODE
black	black	black	
grey	grey	grey	20
red	yellow	yellow	40

N12	.....	O	87
N12H	.....	O	87
N20	.....	O	87
N20H	.....	O	87
N25	.....	O	87
N25H	.....	O	87
N32	.....	O	87
N40	.....	O	87
N63	.....	O	87

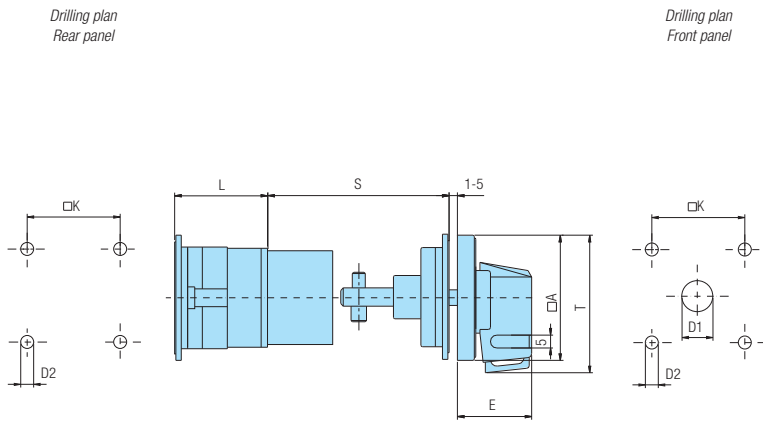


84

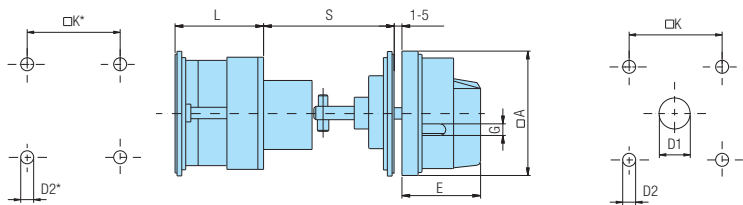
Door-opening only in "0" position.
Switch with yellow front plate, yellow escutcheon plate and red
handle. When required "S" is bigger then offered, it is
necessary to define "S" or depth of the board (L+S).
Minimal distance to the door-hinge 150 mm.

N12	.....	O	84
N12H	.....	O	84
N20	.....	O	84
N20H	.....	O	84
N25	.....	O	84
N25H	.....	O	84
N32	.....	O	84
N40	.....	O	84
N63	.....	O	84

DIMENSIONAL DRAWINGS (mm)

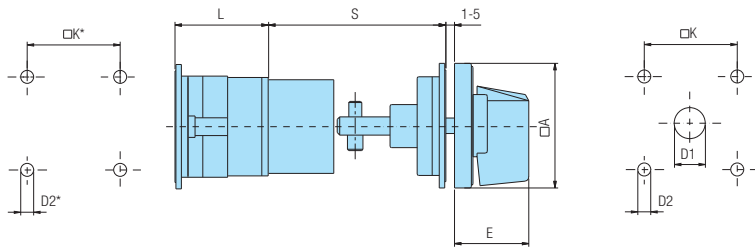


Type	Marking							L			
	□A	D1	D2	E	□K	S	T	1	2	3...12	
N 12	48	12	5	34,5	36	45-55	57	41,1	50,8	60,5	147,8
N 20	48	12	5	34,5	36	45-55	57	41,1	50,8	60,5	147,8
N 25	48	12	5	34,5	36	45-55	57	45,5	59,1	72,7	195,1



Type	Marking							L			
	□A	D1	D2	E	G	□K	S	1	2	3...12	
N 12	48	12	5	34,2	5	36	45-55	41,1	50,8	60,5	147,8
N 12H	65	12	5	38	6	48	45-55	41,1	50,8	60,5	147,8
N 20	48	12	5	34,2	5	36	45-55	41,1	50,8	60,5	147,8
N 20H	65	12	5	38	6	48	45-55	41,1	50,8	60,5	147,8
N 25	48	12	5	34,2	5	36	45-55	45,5	59,1	72,7	195,1
N 25H	65	12	5	38	6	48	45-55	45,5	59,1	72,7	195,1
N 32	65	14	5	38	6	48	45-55	48,9	62,5	76,1	198,5
N 40	65	14	5	38	6	48	45-55	51,5	66,6	81,7	217,6
N 63*	65	14	5	38	6	48	45-55	57,3	75,4	93,5	256,4

* for N63 D2*=6 □K*=68



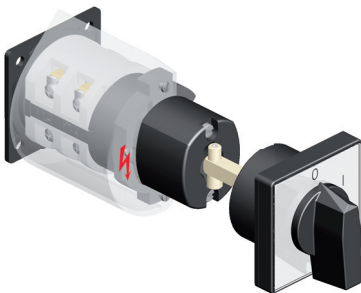
Type	Marking							L			
	□A	D1	D2	E	□K	S		1	2	3...12	
N 12	48	12	5	26,5	36	45-55		41,1	50,8	60,5	147,8
N 12H	65	12	5	34,5	48	45-55		41,1	50,8	60,5	147,8
N 20	48	12	5	26,5	36	45-55		41,1	50,8	60,5	147,8
N 20H	65	12	5	34,5	48	45-55		41,1	50,8	60,5	147,8
N 25	48	12	5	26,5	36	45-55		45,5	59,1	72,7	195,1
N 25H	65	12	5	34,5	48	45-55		45,5	59,1	72,7	195,1
N 32	65	14	5	34,5	48	45-55		48,9	62,5	76,1	198,5
N 40	65	14	5	34,5	48	45-55		51,5	66,6	81,7	217,6
N 63*	65	14	5	34,5	48	45-55		57,3	75,4	93,5	256,4

* for N63 D2*=6 □K*=68

OPTIONAL EXTRAS

CODE

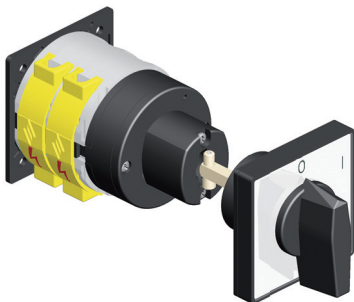
DOOR COUPLING



68

Door-opening only in "0" position.
Protection against an accidental contact with the supplying terminals under voltage for the switches with only two elements in "0" position.
When required "S" is bigger then offered, it is necessary to define "S" or depth of the board (L+S). Minimal distance to the door-hinge 150 mm.

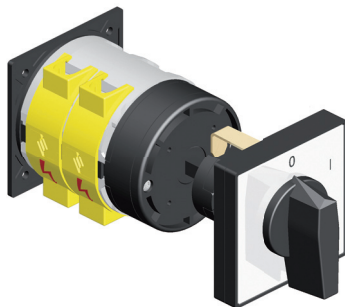
N12	.....	O	68
N12H	.....	O	68
N20	.....	O	68
N20H	.....	O	68
N25	.....	O	68
N25H	.....	O	68
N32	.....	O	68



78

Door-opening only in "0" position.
Protection against an accidental contact with the supplying terminals under voltage only in "0" position.
In a standard manner supplying terminals are protected (switches 0-1; 1-12 poles).
When required "S" is bigger then offered, it is necessary to define "S" or depth of the board (L+S). Minimal distance to the door-hinge 150 mm.

N12	.....	O	78
N12H	.....	O	78
N20	.....	O	78
N20H	.....	O	78
N25	.....	O	78
N25H	.....	O	78
N40	.....	O	78
N63	.....	O	78

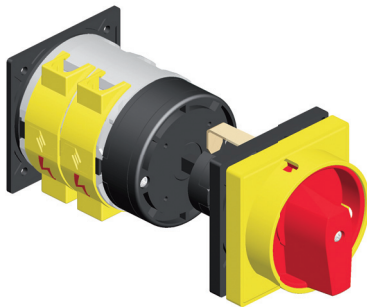


79

Door-opening only in "0" position.
Protection against an accidental contact with the supplying terminals under voltage only in "0" position.
In a standard manner supplying terminals are protected (switches 0-1; 1-12 poles).
When required "S" is bigger then offered, it is necessary to define "S" or depth of the board (L+S). Minimal distance to the door-hinge 150 mm.

N12H	.....	O	79
N20H	.....	O	79
N25H	.....	O	79
N40	.....	O	79
N40H	.....	O	79
N63	.....	O	79
N63H	.....	O	79
N80	.....	O	79
N125	.....	O	79

DOOR COUPLING
MAIN SWITCH WITH EMERGENCY

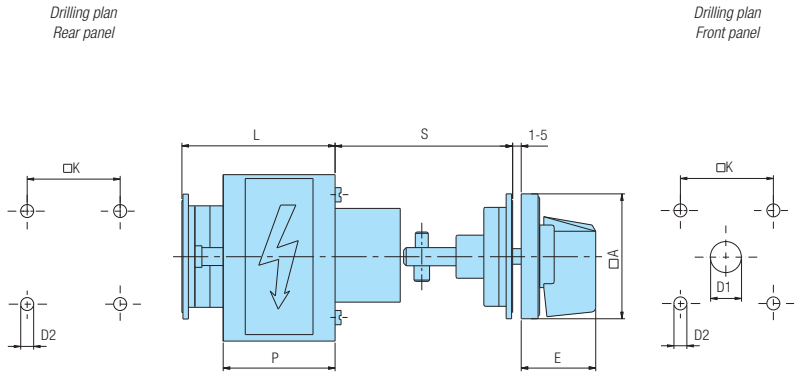


99

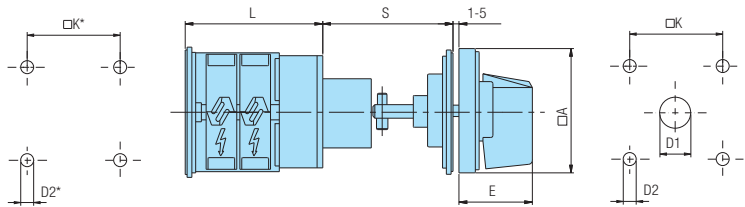
Padlocking (1-3) only in "0".
Door-opening only in "0" position.
Protection against an accidental contact with the supplying terminals under voltage.
Switching angle 60° and 90°.
When required "S" is bigger then offered, it is necessary to define "S" or depth of the board (L+S). Minimal distance to the door-hinge 150 mm.

N12H	.....	O	99
N20H	.....	O	99
N25H	.....	O	99
N40	.....	O	99
N40H	.....	O	99
N63	.....	O	99
N63H	.....	O	99
N80	.....	O	99
N125	.....	O	99

DIMENSIONAL DRAWINGS (mm)

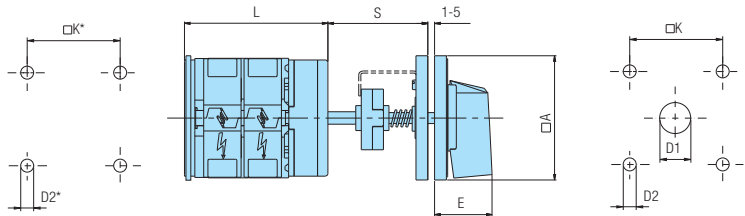


Type	Marking							
	□A	D1	D2	E	□K	S	P	L
N 12	48	12	5	26,5	36	45-55	43	51,3
N 12H	65	12	5	34,5	48	45-55	43	51,3
N 20	48	12	5	26,5	36	45-55	43	51,3
N 20H	65	12	5	34,5	48	45-55	43	51,3
N 25	48	12	5	26,5	36	45-55	51	59,6
N 25H	65	12	5	34,5	48	45-55	51	59,6
N 32	65	14	5	34,5	48	45-55	51	64,9



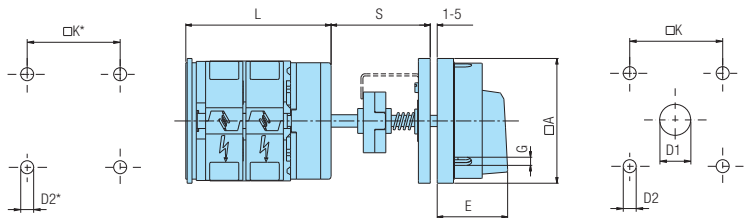
Type	Marking						L			
	□A	D1	D2	E	□K	S	1	2	3...12	
N 12	48	12	5	26,5	36	45-55	41,1	50,8	60,5	147,8
N 12H	65	12	5	34,5	48	45-55	41,1	50,8	60,5	147,8
N 20	48	12	5	26,5	36	45-55	41,1	50,8	60,5	147,8
N 20H	65	12	5	34,5	48	45-55	41,1	50,8	60,5	147,8
N 25	48	12	5	26,5	36	45-55	45,5	59,1	72,7	195,1
N 25H	65	12	5	34,5	48	45-55	45,5	59,1	72,7	195,1
N 40	65	14	5	34,5	48	45-55	48,5	63,6	78,7	214,6
N 63*	65	14	5	34,5	48	45-55	54,3	72,4	90,5	253,4

for N63 D2=6 □K*=68



Type	Marking						L			
	□A	D1	D2	E	□K	S	1	2	3...12	
N 12H	65	12	5	34,5	48	60	41,1	50,8	60,5	147,8
N 20H	65	12	5	34,5	48	60	41,1	50,8	60,5	147,8
N 25H	65	12	5	34,5	48	60	45,5	59,1	72,7	195,1
N 40	65	14	5	34,5	48	64	51,5	66,6	81,7	217,6
N 40H	90	14	6	41,5	68	64	51,5	66,6	81,7	217,6
N 63*	65	14	5	34,5	48	64	57,3	75,4	93,5	256,4
N 63H	90	14	6	41,5	68	64	57,3	75,4	93,5	256,4
N 80/N 125	90	16	6	41,5	68	76	74,8	103,9	133	394,9

* for N63 D2*=6 □K*=68



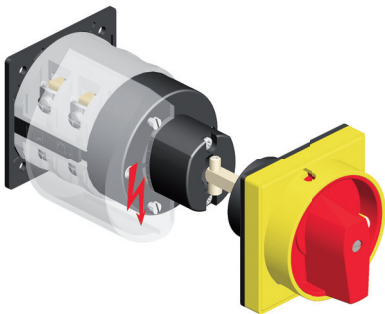
Type	Marking							L			
	□A	D1	D2	E	G	□K	S	1	2	3...12	
N 12H	65	12	5	34,2	6	48	60	41,1	50,8	60,5 147,8	
N 20H	65	12	5	34,2	6	48	60	41,1	50,8	60,5 147,8	
N 25H	65	12	5	34,2	6	48	60	45,5	59,1	72,7 195,1	
N 40	65	14	5	38	6	48	64	51,5	66,6	81,7 217,6	
N 40H	90	14	6	49	7	68	64	51,5	66,6	81,7 217,6	
N 63*	65	14	5	38	6	48	64	57,3	75,4	93,5 256,4	
N 63H	90	14	6	49	7	68	64	57,3	75,4	93,5 256,4	
N 80/ N 125	90	16	6	49	7	68	76	74,8	103,9	133 394,9	

* for N63 D2*=6 □K*=68

OPTIONAL EXTRAS

CODE

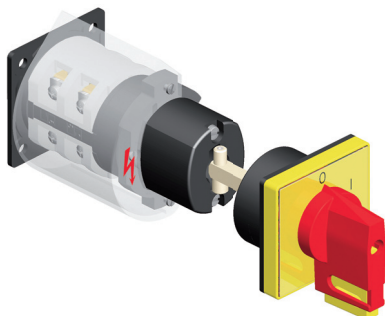
DOOR COUPLING
MAIN SWITCH WITH EMERGENCY



88

Padlocking only in "0".
Door-opening only in "0" position.
Protection against an accidental contact with the supplying terminals under voltage only in "0" position. Switching angle 60° and 90°. When required "S" is bigger then offered, it is necessary to define "S" or depth of the board (L+S). Minimal distance to the door-hinge 150 mm.

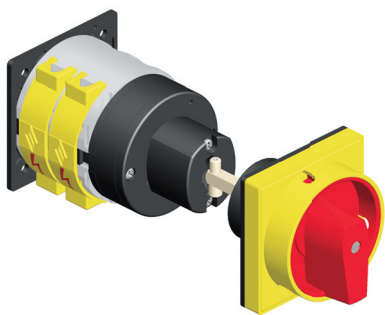
N12	.....	O	88
N12H	.....	O	88
N20	.....	O	88
N20H	.....	O	88
N25	.....	O	88
N25H	.....	O	88
N32	.....	O	88



86

Padlocking (1-3) only in "0".
Door-opening only in "0" position.
Protection against an accidental contact with the supplying terminals under voltage only in "0" position. Switching angle 60° and 90°. When required "S" is bigger then offered, it is necessary to define "S" or depth of the board (L+S). Minimal distance to the door-hinge 150 mm.

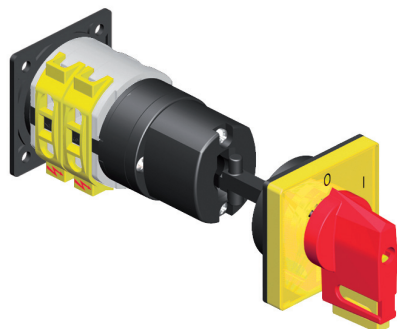
N12	.....	O	86
N20	.....	O	86
N25	.....	O	86



98

Padlocking only in "0".
Door-opening only in "0" position.
Protection against an accidental contact with the supplying terminals under voltage. Switching angle 60° and 90°. When required "S" is bigger then offered, it is necessary to define "S" or depth of the board (L+S). Minimal distance to the door-hinge 150 mm.

N12	.....	O	98
N12H	.....	O	98
N20	.....	O	98
N20H	.....	O	98
N25	.....	O	98
N25H	.....	O	98
N40	.....	O	98
N63	.....	O	98



96

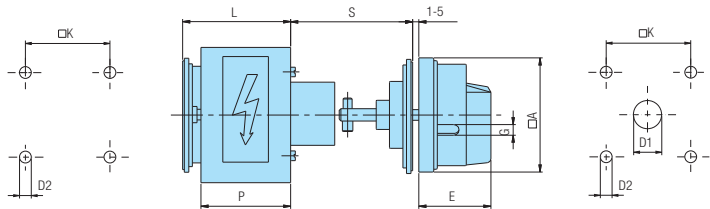
Padlocking (1-3) only in "0".
Door-opening only in "0" position.
Protection against an accidental contact with the supplying terminals under voltage. Switching angle 60° and 90°. When required "S" is bigger then offered, it is necessary to define "S" or depth of the board (L+S). Minimal distance to the door-hinge 150 mm.

N12	.....	O	96
N20	.....	O	96
N25	.....	O	96

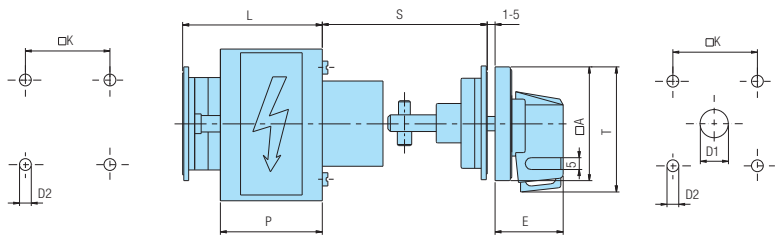
DIMENSIONAL DRAWINGS (mm)

Drilling plan
Rear panel

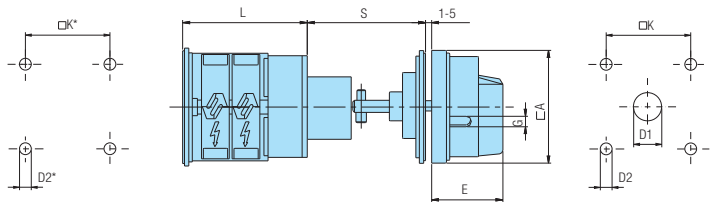
Drilling plan
Front panel



Type	Marking									
	□A	D1	D2	E	G	□K	S	P	L	
N 12	48	12	5	34,2	5	36	45-55	43	51,3	
N 12H	65	12	5	38	6	48	45-55	43	51,3	
N 20	48	12	5	34,2	5	36	45-55	43	51,3	
N 20H	65	12	5	38	6	48	45-55	43	51,3	
N 25	48	12	5	34,2	5	36	45-55	51	59,6	
N 25H	65	12	5	38	6	48	45-55	51	59,6	
N 32	65	14	5	38	6	48	45-55	51	64,9	

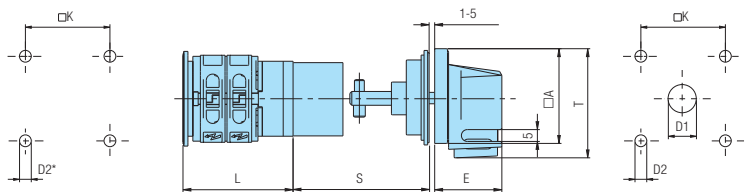


Type	Marking									
	□A	D1	D2	E	G	□K	S	P	T	L
N 12	48	12	5	34,5	36	45-55	43	57	51,3	
N 20	48	12	5	34,5	36	45-55	43	57	51,3	
N 25	48	12	5	34,5	36	45-55	51	57	59,6	



Type	Marking							L			
	□A	D1	D2	E	G	□K	S	1	2	3	...12
N 12	48	12	5	34,2	5	36	45-55	41,1	50,8	60,5	147,8
N 12H	65	12	5	38	6	48	45-55	41,1	50,8	60,5	147,8
N 20	48	12	5	34,2	5	36	45-55	41,1	50,8	60,5	147,8
N 20H	65	12	5	38	6	48	45-55	41,1	50,8	60,5	147,8
N 25	48	12	5	34,2	5	36	45-55	45,5	59,1	72,7	195,1
N 25H	65	12	5	38	6	48	45-55	45,5	59,1	72,7	195,1
N 40	65	14	5	38	6	48	45-55	51,5	66,6	81,7	217,6
N 63*	65	14	5	38	6	48	45-55	57,3	75,4	93,5	256,4

* for N63 D2*=6 □K*=68

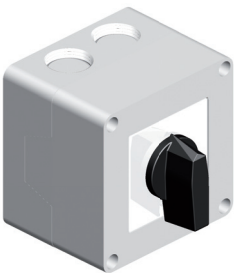


Type	Marking									
	□A	D1	D2	E	□K	S	T	1	2	3...12
N 12	48	12	5	34,5	36	45-55	57	41,1	50,8	60,5 147,8
N 20	48	12	5	34,5	36	45-55	57	41,1	50,8	60,5 147,8
N 25	48	12	5	34,5	36	45-55	57	45,5	59,1	72,7 195,1

OPTIONAL EXTRAS

CODE

PLASTIC CASING



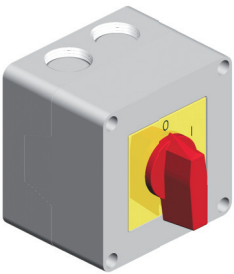
03

Fast-on terminals (see page 10)

Type	Casing size	
	90 X 90	110 X 110
N12	o	
N20	o	
N25	o	
N32		o

28

The left direction is blocked.



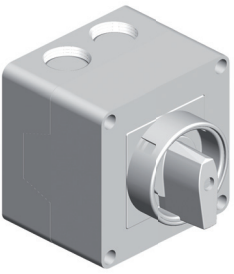
24

Standard switch with yellow escutcheon plate and red handle.



15

In a standard manner, the red lamp (230 V) is built in the right bottom corner. Possible voltages are 110, 400 V and green lamp, too (please define). On special request second lamp can be built in the left bottom corner.



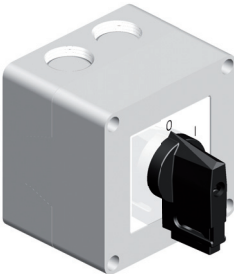
06

Locking only in "0"
(See pages 12 and 34)

23

25

	POSSIBILITY	HANDLE	COVER PLATE	CASING
06		grey	grey	grey
23		black	black	grey
25		red	yellow	grey



56

Locking (1-3 padlocks) only in "0"
(See pages 12 and 36)

73

75

	HANDLE	ESCUTCH. PLATE	CASING	Y CODE
	black	white	grey	
56	grey	white	grey	20
73	black	black	grey	
75	red-yellow	yellow	grey	



30

Locking and pull-out of the key at 90°. Possible 1 - 4 locked positions within 360° (please define). Protection IP42.



N12 P 03
N20 P 03
N25 P 03
N32 P 03

N12 P 28
N20 P 28
N25 P 28
N32 P 28
N40 P 28
N63 P 28

N12 P 24
N20 P 24
N25 P 24
N32 P 24
N40 P 24
N63 P 24
N80 P 24
N125 P 24

N12 P 15
N20 P 15
N25 P 15
N32 P 15
N40 P 15
N63 P 15
N80 P 15
N125 P 15

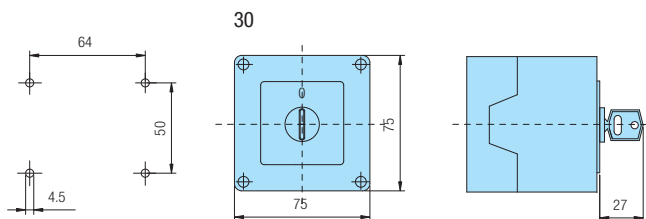
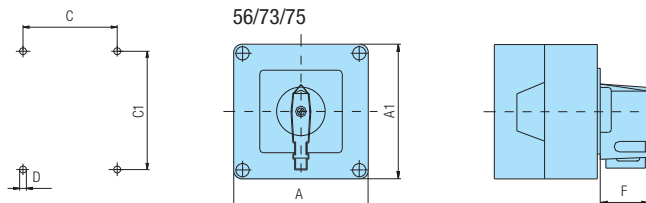
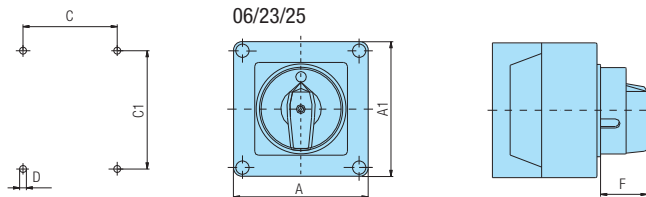
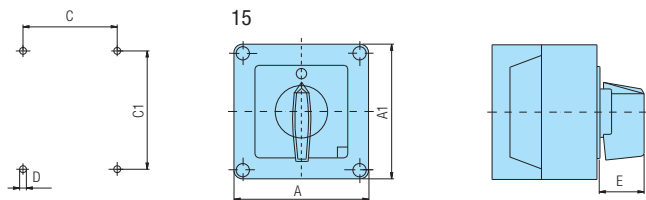
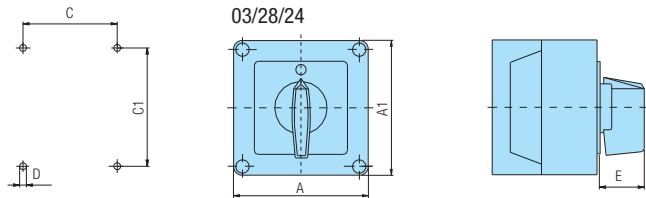
N12 P 06 23 25
N20 P 06 23 25
N25 P 06 23 25
N32 P 06 23 25
N40 P 06 23 25
N63 P 06 23 25
N80 P 06 23 25
N125 P 06 23 25

N12 P 56 73 75
N20 P 56 73 75
N25 P 56 73 75

N12 P 30
N20 P 30
N25 P 30

DIMENSIONAL DRAWINGS (mm)

Drilling plan
Rear panel



The table refers to the optional extras 03, 28, 24 and 15

Type	Casing size	Number of elements		A	A1	C	C1	D	E
		L	L1						
N 12	75X75	1-2	3-4	75	75	64	50	4,5	19
N 20		1-2	3-4						
N 25		1	2-3						
N 12	90X90	1-3	4-6	90	90	63	79	4,5	25
N 20		1-3	4-6						
N 25		1-2	3-4						
N 32		1-2	3-4						
N 12	110X110	1-4	5-8	110	110	83	98,4	4,5	32
N 20		1-4	5-8						
N 25		1-3	4-5						
N 32		1-3	4-5						
N 40		1-2	3-5						
N 63	125X175	1-2	3-4	125	175	112	146	5,5	32
N 32		1-3	4-5						
N 40		1-2	3-4						
N 63		1	2						
N 80/N 125	180X254	1-2	3-4	180	254	120	190	5,5	41,5

Type	Casing size	Number of elements		A	A1	C	C1	D	F
		L	L1						
N 12	75X75	1-2	3-4	75	75	64	50	4,5	28
N 20		1-2	3-4						
N 25		1	2-3						
N 12	90X90	1-3	4-6	90	90	63	79	4,5	28
N 20		1-3	4-6						
N 25		1-2	3-4						
N 32		1-2	3-4						
N 12	110X110	1-4	5-8	110	110	83	98,4	4,5	38,5
N 20		1-4	5-8						
N 25		1-3	4-5						
N 32		1-3	4-5						
N 40		1-2	3-5						
N 63	125X175	1-2	3-4	125	175	112	146	5,5	38,5
N 32		1-3	4-5						
N 40		1-2	3-4						
N 63		1-2	3-4						
N 80/N 125	180X254	1	2	180	254	120	190	5,5	49
N 80/N 125		1-2	3-4						

Type	Casing size	Number of elements		A	A1	C	C1	D	F
		L	L1						
N 12	75X75	1-2	3-4	75	75	64	50	4,5	27
N 20		1-2	3-4						
N 25		1	2-3						

Type	Casing size	Number of elements	
		L1	
N 12	75X75	1-2	
N 20		1-2	
N 25		1	

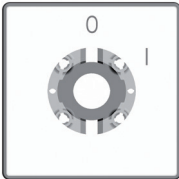
ACCESSORIES

HANDLES

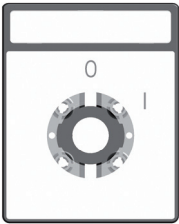
		ORDERING CODE						
		Size						
	Colour	A0	A1		A2			
	grey	R011-6	R111-6	R111-7	R211-6	R211-7	R211-8	R211-9
	red	R012-6	R112-6	R112-7	R212-6	R212-7	R212-8	R212-9
	black	R014-6	R114-6	R114-7	R214-6	R214-7	R214-8	R214-9
	yellow	R015-6	R115-6	R115-7	R215-6	R215-7	R215-8	R215-9
	grey		R121-6	R121-7	R221-6	R221-7	R221-8	R221-9
	red		R122-6	R122-7	R222-6	R222-7	R222-8	R222-9
	black		R124-6	R124-7	R224-6	R224-7	R224-8	R224-9
	yellow		R125-6	R125-7	R225-6	R225-7	R225-8	R225-9

Last number in ordering code (6, 7, 8 or 9) means the shaft square required for requested handle.
■ - standard handle for defined mounting size

FRONT PLATES

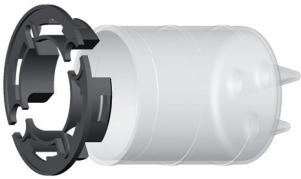


Front plate - standard form. Available at all sizes (A0, A1, A2).
In a standard manner it is being produced in black colour; grey and yellow colour available on request.



Front plate with title. Available at all sizes (A0, A1, A2).
In a standard manner it is being produced in black colour; grey and yellow colour available on request.

PROTECTION TUBE



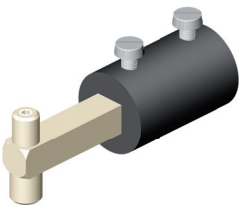
Flexible rubber shroud.
Contact degree of protection IP42 for N12, N20, N25, N32, N40 and N63.

PROTECTION COVER



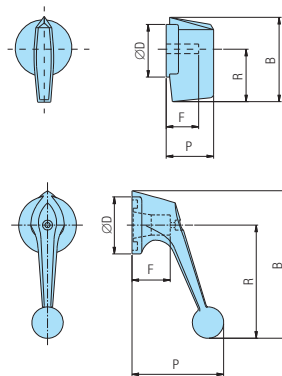
Finger protection shrouds for supplying terminals.

EXTENDED SHAFT



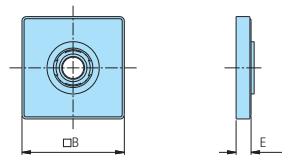
Adjustable door - coupling extension shaft, 70 mm length max.
For switches N12, N20, N25, N32, N40 and N63.

DIMENSIONAL DRAWINGS (mm)

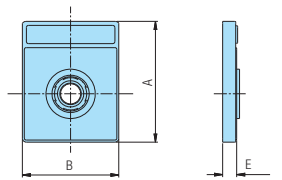


Size	Marking				
	B	ØD	F	P	R
A0	39,5	27,5	16	19	23,5
A1	53	35	20	25	32
A2	70,5	48	26,5	32	43,5

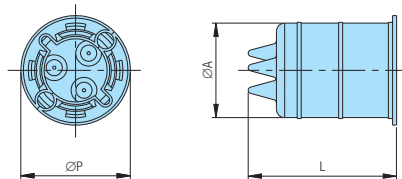
Size	Marking				
	B	ØD	F	P	R
A1	81,5	35	23	52	61,5
A2	105,5	48	26,5	65	79,5



Size	Marking	
	□B	E
A0	48	7,5
A1	65	9,5
A2	90	9,5



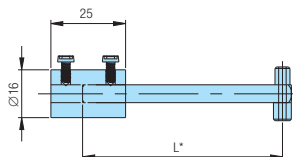
Size	Marking		
	A	B	E
A0	60	48	7,5
A1	80,5	65	9,5
A2	110	90	9,5



Type	No. of elements	ØP	ØA	L	Ordering code
N12, N20, N25	1-2	66	57	90	B85913
	3-4			115	B85943
	5-6			140	B85944
N32, N40	1-4	89	87	112,5	B90494
N63	1-3				

Type	Ordering code
N12	B71289
N20	B71289
N25	B93829

Tip/Type	Ordering code
N40	B92919
N63	610149
N125	B90404



L	Ordering code
70	B85992
150	B85893
200	B85894

* - Possible to cut desired length

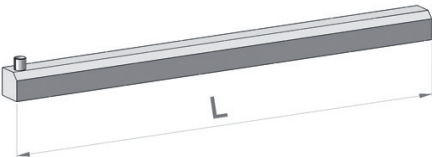
ACCESSORIES

MODUL FOR OPTIONAL EXTRA "108D"



Modul	Ordering code
108D	B71717

SHAFT FOR OPTIONAL EXTRA "102"



L	Option	Ordering code
100	102	B71840
200	102-200	B71841

OPTIONAL EXTRAS - REVIEW

OPTIONAL EXTRA	Page	Front plate with title (N)	Possible optional extra combinations				
			+39D		+51		
			A0	A1	A0	A1	A2
02	24	+			+	+	+
03	10	+	+	+	+	+	
04	8	+		+		+	+
05	14	+					
06	12	+	+	+	+	+	+
06D	12						
07	36	+			+	+	+
08	36	+			+	+	+
09	14						
10	18						
11	14						
12	18						
13	14	+					
15	32	+	+	+			
16	22	+					
17	22	+					
18	28	+			+	+	
19	26	+	+	+	+	+	
20	16						
21	32	+					
22	32	+					
23	34	+	+	+	+	+	
24	8	+	+	+	+	+	+
25	34	+	+	+	+	+	
26	22	+					
27	22	+					
28	32	+	+	+	+	+	+
29	18						
29D	18						
29K	20						
30	18						
31	30						
33	28						
34	30	+				+	
36	16						
37	16						
38D	30						
38T	30						
39D	30				+	+	
39T	30				+	+	
40	30	+			+	+	+
41	18						
41D	20						
41K	20						

OPTIONAL EXTRA	Page	Front plate with title (N)	Possible optional extra combinations				
			+39D		+51		
			A0	A1	A0	A1	A2
42	18						
43	26	+	+	+	+	+	
47	16						
48	28						
48D	28						
49	28						
51	8	+	+	+			
53	10	+		+		+	+
53D	10	+		+		+	+
56	12	+	+		+		
57	36	+	+	+	+	+	
58	36	+			+	+	
58D	36	+			+	+	
61	34	+					
62	34	+					
63	34	+	+	+	+	+	+
63D	34						
65	34	+	+	+	+	+	+
65D	34						
67	16						
68	40	+	+	+	+	+	
69	26	+	+	+	+	+	+
71	20						
72	20						
73	36	+	+		+		
75	36	+	+		+		
76	20						
77	20						
78	40	+	+	+	+	+	
79	40	+			+	+	+
84	38	+	+	+	+	+	
85	38	+	+		+		
86	42	+	+		+		
87	38	+	+	+	+	+	
88	42	+	+	+	+	+	
93	36	+	+		+		
95	36	+	+		+		
96	42	+	+		+		
98	42	+	+	+	+	+	
99	40	+				+	+
102	24	+			+	+	
108D	24	+			+	+	
258	24	+	+	+	+	+	

39D - switch mounting with 2 screws

51 - protection degree IP65

- included in this optional extra

Order sheet for special switches

Purchaser

Phone

Telefax

Date _____

Switch type:

Front part:

Form:

N
F

--	--	--	--

or

Switch data:

Voltage _____ V

Current _____ A

Power _____ kW

Description of the equipment to be switched:

Mounting form:

U - Front

0 - Rear

P - Plastic casing

L - Metal casing

Black

Grey

Red

Yellow

White

Optional extra:

Additional requirements:

Handle

Front plate

Escutch. plate

Handle

A00, A0

A1, A2, A3

A1 A2 A3

A3

Front plate

Standard

A00, A0, A1, A2, A3

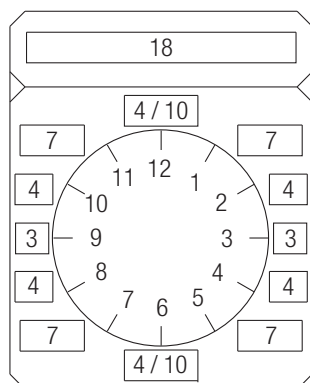
With title

A00, A0, A1, A2

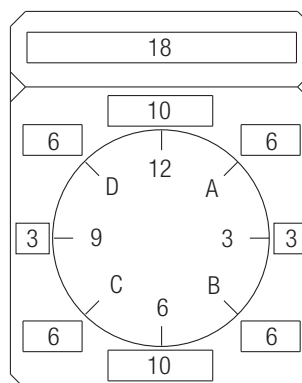
REMARK: - Standard combination of colours and forms. Please mark the desired request (or).

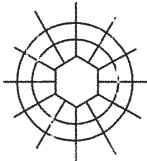
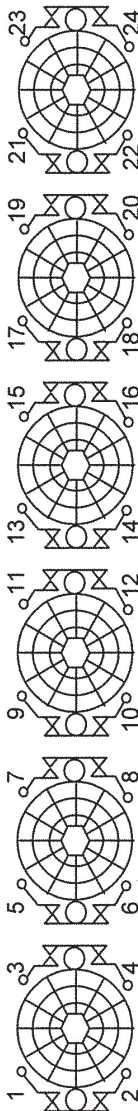
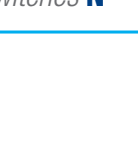
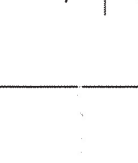
Max. number of characters

30° / 60°



45° / 90°



																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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