



## SUJ TECHNICAL DATASHEET

### Product

System pro E comfort

**Consumer Unit UK600**

### Technical Data

Standards	DIN VDE 60670-24 (VDE 0606-24):2014-03 Kind of construction acc. to DIN 43871 (1 to 4 rows)
Certification:	
Rated operational voltage:	400V AC / 50Hz
Rated current:	63A
Protection class:	II 
Degree of protection:	IP30 (DIN EN 60529)
Rated insulation voltage (U <sub>i</sub> ):	690V AC
Rated impulse withstand voltage (U <sub>imp</sub> ):	6kV
Classification enclosure:	PD-enclosure (I <sub>nq</sub> = 63A) GP-enclosure (P <sub>de</sub> )
Condition of installation:	Indoor installation
Ambient temperature:	The ambient air temperature does not exceed +40°C and its average over a period of 24 h does not exceed +25°C, occasionally +35°C
Glow wire test:	850°C (N/PE terminals 960°C)
Mechanical strength:	IK07 (IEC 60068-2-75)
Colour:	White, RAL9016
Type of installation:	Flush, hollow walls, flammable walls
Type of material:	Composite PS Insulating material for enclosure Metallic material for door and frame

### Types

Consumer unit:	UK612N2, UK624N3, UK636N3, UK648N3, UK660N4 UK610P2RU, UK620P3RU, UK630P3RU, UK640P3RU, UK650P4RU UK612E2, UK624E3, UK636E3, UK648E3, UK660E3 UK610V2RU, UK620V3RU, UK630V3RU, UK640V3RU, UK650V4RU UK612NB, UK624NB, UK636NB, UK648NB, UK660NB UK612EB, UK624EB, UK636EB, UK648EB, UK660EB UK612K, UK624K, UK636K, UK648K, UK660K
Media enclosure:	UK636MV, UK648MV, UK660MV UK636MW, UK648MW, UK660MW UK620MV, UK630MV, UK640MV, UK650MV UK624MB, UK636MB, UK648MB, UK660MB
Combi enclosure:	UK662CV, UK663CV UK662CW, UK663CW

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**Table 1 - Dimensions**

Type	Niche dimensions for flush-mounting H x B x T in mm	Wall cut out dimensions for hollow-wall mounting H x B x T in mm	SU
UK61..	355 x 367 x 95	328 x 340 x 88	12+2
UK62..	480 x 367 x 95	453 x 340 x 88	24+4
UK63..	605 x 367 x 95	578 x 340 x 88	36+6
UK64..	730 x 367 x 95	703 x 340 x 88	48+8
UK65..	855 x 367 x 95	828 x 340 x 88	60+10
UK66..			

### Power loss

**Max. power loss  $P_{de}$  by  $\Delta T$  30K (DIN EN 60670-24)**

**Table 2 – Consumer unit**

Type	$P_{de}$ (W)
UK61..	31 W
UK62..	45 W
UK63..	54 W
UK64..	62 W
UK65..	69 W
UK66..	

**Table 3 – Media enclosure**

Type	$P_{de}$ (W)
UK62..	100 W
UK63..	114 W
UK64..	133 W
UK65..	155 W
UK66..	

**Table 4 – Combi enclosure**

Type	$P_{de}$ (W)
UK662CV	78 W
UK663CV	73 W
UK662CW	75 W
UK663CW	71 W

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### N/PE Terminals

**Table 5 - N terminals with units**

N-Terminal	Screw connection system	Spring connection system
ZK507	3 x 16,0 mm <sup>2</sup>	2 x 10,0 mm <sup>2</sup>
ZKS11B	5 x 16,0 mm <sup>2</sup>	6 x 6,0 mm <sup>2</sup>
ZKS16B	7 x 16,0 mm <sup>2</sup>	9 x 6,0 mm <sup>2</sup>
ZK51B	1 x 2,5 - 25 mm <sup>2</sup>	5 x 1,5 - 4,0 mm <sup>2</sup>
ZK82B	2 x 2,5 - 25 mm <sup>2</sup>	8 x 1,5 - 4,0 mm <sup>2</sup>
ZK113B	3 x 2,5 - 25 mm <sup>2</sup>	11 x 1,5 - 4,0 mm <sup>2</sup>
ZK144B	4 x 2,5 - 25 mm <sup>2</sup>	14 x 1,5 - 4,0 mm <sup>2</sup>

**Table 6 - PE terminals with units**

PE-Terminal	Screw connection system	Spring connection system
ZKS11G	5 x 16,0 mm <sup>2</sup>	6 x 6,0 mm <sup>2</sup>
ZKS16G	7 x 16,0 mm <sup>2</sup>	9 x 6,0 mm <sup>2</sup>
ZKS21B	9 x 16,0 mm <sup>2</sup>	12 x 6,0 mm <sup>2</sup>
ZKS26G	11 x 16,0 mm <sup>2</sup>	15 x 6,0 mm <sup>2</sup>
ZK113G	3 x 2,5 - 25,0 mm <sup>2</sup>	11 x 1,5 - 4,0 mm <sup>2</sup>
ZK144G	4 x 2,5 - 25,0 mm <sup>2</sup>	14 x 1,5 - 4,0 mm <sup>2</sup>
ZK206G	6 x 2,5 - 25,0 mm <sup>2</sup>	20 x 1,5 - 4,0 mm <sup>2</sup>
ZK237G	7 x 2,5 - 25,0 mm <sup>2</sup>	23 x 1,5 - 4,0 mm <sup>2</sup>
ZK268G	8 x 2,5 - 25,0 mm <sup>2</sup>	26 x 1,5 - 4,0 mm <sup>2</sup>

**Table 7 - Configuration screw terminals**

Verteiler	N-Schraubklemme	PE-Schraubklemme
1-reihig	1 x ZKS11B + 1 x ZK507	1 x ZKS16G
2-reihig	1 x ZKS16B + 1 x ZK507	1 x ZKS21B
3-reihig	2 x ZKS11B + 1 x ZK507	1 x ZKS26G
4-reihig	1 x ZKS11B + 1 x ZKS16B + 1 x ZK507	1 x ZKS26G
5-reihig	2 x ZKS16B + 1 x ZK507	1 x ZKS11G + 1 x ZKS21B

**Table 8 - Configuration quick terminals**

Verteiler	N Quickklemme	PE Quickklemme
1-reihig	1 x ZK51B + 1 x ZK82B	1 x ZK113G
2-reihig	1 x ZK51B + 2 x ZK82B	1 x ZK144G
3-reihig	1 x ZK51B + 2 x ZK113B	1 x ZK206G
4-reihig	2 x ZK82B + 1 x ZK144B	1 x ZK237G
5-reihig	1 x ZK51B + 2 x ZK82B + 1 x ZK144B	1 x ZK268G