
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:



Degree of protection:

IP30 (DIN EN 60529)

Rated insulation voltage (U_i):

690V AC

Rated impulse withstand voltage (U_{imp}):

6kV

Classification enclosure:

PD-enclosure (I_{nq} = 63A)GP-enclosure (P_{de})

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 ΔT 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 ²	2 x 10,0 mm ²
ZKS11B	5 x 16,0 mm ²	6 x 6,0 mm ²
ZKS16B	7 x 16,0 mm ²	9 x 6,0 mm ²
ZK51B	1 x 2,5 - 25 mm ²	5 x 1,5 - 4,0 mm ²
ZK82B	2 x 2,5 - 25 mm ²	8 x 1,5 - 4,0 mm ²
ZK113B	3 x 2,5 - 25 mm ²	11 x 1,5 - 4,0 mm ²
ZK144B	4 x 2,5 - 25 mm ²	14 x 1,5 - 4,0 mm ²

Table 6 - PE terminals with units

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

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