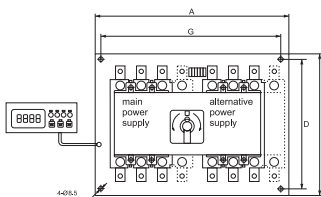
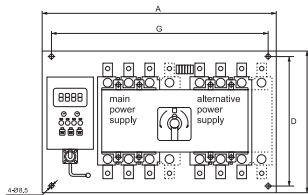


Documents corresponding to the product:

EN 60947-1
EN 60947-2; EN 60947-6-1



Dual power change-over switch EQ1 series (ATS)

5 YEAR WARRANTY *for industrial usage, 3 years warranty

The system for dual power change-over switch EQ1 is designed to provide continuous power supply and two electrical sources automatic switch in case of failure or deviation from the set parameters. It switches only when the three phases of the second power supply source are available. The system for dual power change-over switch consists of two molded case circuit breakers mounted on a metal frame connected with common operating mechanism and controlled by a command device that controls the system parameters' correspondence.

Functions:

- Switching on/off heavy loaded electrical circuits at main power supply discrepancy
- Switching to dual power change-over at power supply phase lack
- with option to connect to fire alarm controller. In case of fire, the ATS switches off both power supply sources
- Breaking of electrical circuits and control of powerful consumers
- Used as a main breaker in housing or industrial distributing installations supplied with a generator or a second power supply source (hospitals, post offices, military sites, control rooms)
- Remarkable with high reliability of current characteristics
- Control: motor
- Controls the following circuit parameters:
 - presence of the three phases
 - the phase voltage to be in the set limits
 - overload
 - short circuit at the outlet

Technical data:

- Rated operating voltage: 690V; 50/60Hz

- Surge voltage wear resistance: $\geq 6000V$
 - Joining terminal: bolt connection with 4 bolts to the power supply rail
 - Connecting:
 - copper rails
 - flexible or rigid conductors
 - Electrical wear resistance (number of cycles): ≥ 2000
 - Mechanical wear resistance (number of cycles): ≥ 6000
 - IP code: IP21
 - Mounting:
 - clamping with bolts
 - mounting position: vertical gradient – maximum 5°
 - Plastic material of the breakers of UV rays and non-flammable
 - Ambient temperature: -10°C + 65°C
 - Installation altitude: up to 2000m
- Basic functions of the control device:**
- Overload protection
 - Instantaneous short circuit protection
 - Under phase protection
 - Undervoltage protection
 - Possibility for setting the change-over time between the two sources – min 3s
 - Possibility for automatic switch-over to the main power supply source after restoring its parameters

The system for dual power change-over switch is offered in two types:

- with display (control device) mounted on the mounting plate (integrated type)
- with separated control display

Type of the breaker	Type	Overall dimensions (mm)				
		A	B	C	D	H
EQ1 - 100	inner type	480	240	450	210	140
EQ1 - 225	inner type	480	240	450	210	140
EQ1 - 400	inner type	620	300	590	270	235
EQ1 - 630	inner type	660	300	630	270	240
EQ1 - 800	inner type					
EQ1 - 100*	moved type	420	230	390	200	145
EQ1 - 225*	moved type	420	230	390	200	145
EQ1 - 400*	moved type	570	300	540	270	235
EQ1 - 630*	moved type	610	300	580	270	240
EQ1 - 800*	moved type					

Type	Rated current In (A)	Max. breaking capacity (kA) Icu	Operating breaking capacity (kA) Ics	Section of the power supply conductor (mm ²)	Electrical wear resistance (number of cycles)	Mechanical wear resistance (number of cycles)	Packing / Box (pcs)	Catalogue number
EQ1 - 100	100	50	35	35	2000	6000	1 / 1	44100
EQ1 - 225	225	50	35	70	2000	6000	1 / 1	44225
EQ1 - 400	400	100	65	180	2000	6000	1 / 1	44403
EQ1 - 630	630	100	65	240	1000	3000	1 / 1	44633
EQ1 - 800	800	100	65	240	1000	3000	1 / 1	44833
EQ1 - 100*	100	50	35	35	2000	6000	1 / 1	44101
EQ1 - 225*	225	50	35	70	2000	6000	1 / 1	44226
EQ1 - 400*	400	100	65	180	2000	6000	1 / 1	44404
EQ1 - 630*	630	100	65	240	1000	3000	1 / 1	44634
EQ1 - 800*	800	100	65	240	1000	3000	1 / 1	44834

Note: *Dual power change-over switch with separated control display