

HIS1 Isolating Switch



Documentation corresponding to the product:

Standard EN 60947-1
EN 60947-3 and IEC 60947-6

The devices are in accordance with the directives of EC "Low voltage directives (LVD) no. 73/23 EEC" and "Electromagnetic Compatibility Directives (EMC) no. 89/336 EEC".

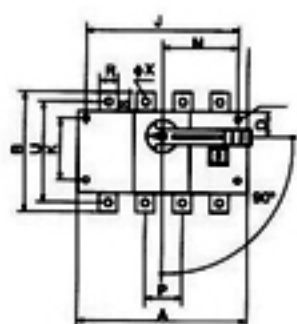
The series load isolating switch HIS1 xxx are produced for mounting in main electrical boards for disconnection of the circuits, switching on of generators because of the fact they are not affected by the frequency variations. High mechanical strength and resistance to circulation, Simple and secure management. There is a possibility for the products to be produced with an window for visible disconnection.

Functions

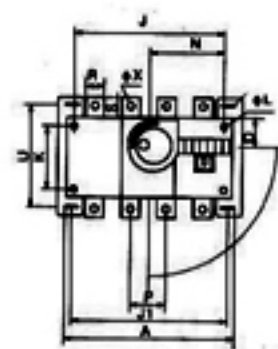
- Switching on and off of electrical circuits under load
- Disconnection of electrical circuits
- Used as main switch
- Resistant to high voltages, to short circuits in the protected circuit

Technical Features

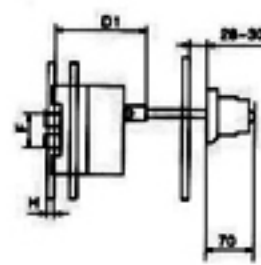
- * Rated voltage: not higher than 660V; 50/60Hz
- * Double connector: screw connection
- * Connection: solid or flexible conductors
- * Insulation voltage: $\geq 1000V$ * Resistance to impulse voltage: 8000V
- * Electrical endurance (number of cycles): ≥ 5000
- * Mechanical endurance (number of cycles): $\geq 10\ 000$
- * Protection ratio: IP > 20
- * Mounting method: to a surface by means of bolts
- * Plastic resistant to UV rays, plastic resistant to UV rays
- * Ambient temperature: $-20^{\circ}C \sim 40^{\circ}C$
- * Note: HIS1-xxx in -load circuit-breaker for mounting in the interior of a board
- * HIS1-xxx out-load circuit-breaker with an extended lever for mounting on the front panel of the board.



HIS1 internal



HIS1 out



Type	Dimensions											
	A	B	C	D	E	J	J1	K	R	S	T	Y
HIS1-125	140	135	125	27	73	120	120	65	20	25	3.5	25
HIS1-160	140	135	125	27	73	120	120	65	20	25	3.5	25
HIS1-250	180	170	138	35	86	160	160	90	25	30	3.5	25
HIS1-400	230	240	165	50	110	210	210	140	32	40	5	37
HIS1-630	230	260	165	50	110	210	210	140	40	50	6	37
HIS1-800	378	312	240	50	140	353	353	175	60	56	8	48

Type	Rated current In(A)	Maximum breaking capacity Icu(A)	Tightening moment (N m)	Box/carton (pcs)
HIS1-125in	125	1250	6.5	1/2
HIS1-125out	125	1250	6.5	1/2
HIS1-160in	160	1250	6.5	1/2
HIS1-160out	160	1250	6.5	1/2
HIS1-250in	250	2000	10	1/6
HIS1-250out	250	2000	10	1/6
HIS1-400in	400	3200	14.5	1/2
HIS1-630in	630	4000	14.5	1/2
HIS1-800in	800	1000	27	1/2