

Parameters	Unit	J10N™	J20N™	J30N™	J10X™			J20X™		J30X™
Insulating gas		Dry Air			SF ₆					
Rated voltage	kV	12	38	69*	15	38	38*	38	38	69
Rated power frequency withstand voltage	kV	28	80	140	36	80	80	80	80	140
Rated lightning impuls withstand voltage (BIL) phase to phase and phase to ground	kV	75	150	325	95	150	150	200	200	325
Rated normal current	A	600	1200	1200	600	600	1200	1200	3000	2000
Rated short circuit current	kA	20	31.5	31.5	20	25	25	31.5	40	31.5
Rated peak withstand current	kA	50	82	82	50	65	65	80	100	80
Rated frequency	Hz	60	60	60	60	60	60	60	60	60
Rated gas pressure (20°C)	Bar	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3
Annual Leakage Rage	year	< 0.1%								
Operation / Storage temperature range	°C	-25 to +40 / -5 to +50 **								
Ingress protection code: Gas tank / LV	IP	IP67 / IP40 **								
Altitude	m	< 2,000 **								
IAC	1 sec	AFLR (type 2B)								
Width **	mm/in	450/18	700/27.5	900/36	355/14	450/18	500/20	600/23	1000/40	800/33.5
Height **	mm/in	1900/75	2500/98	2500/98	2100/75	2100/75	2100/75	2500/98	2500/98	2500/98
Depth **	mm/in	990/39 - 2100/83 depends on quantity of power cables. max is 6 power cables bottom entry, or 4 power cables top entry **								

* - GIS launch is scheduled in Q4-2026
** - please contact JST for non-standard requests