

Main

Range of product	TeSys GS
Device short name	GS2J
Fuse type	BS
Fuse size	A4
Product or component type	Fuse switch disconnector body
Poles description	3P
Network type	AC DC
Type of operating handle	External frontal External right side
[I _{th}] conventional free air thermal current	100 A at 40 °C

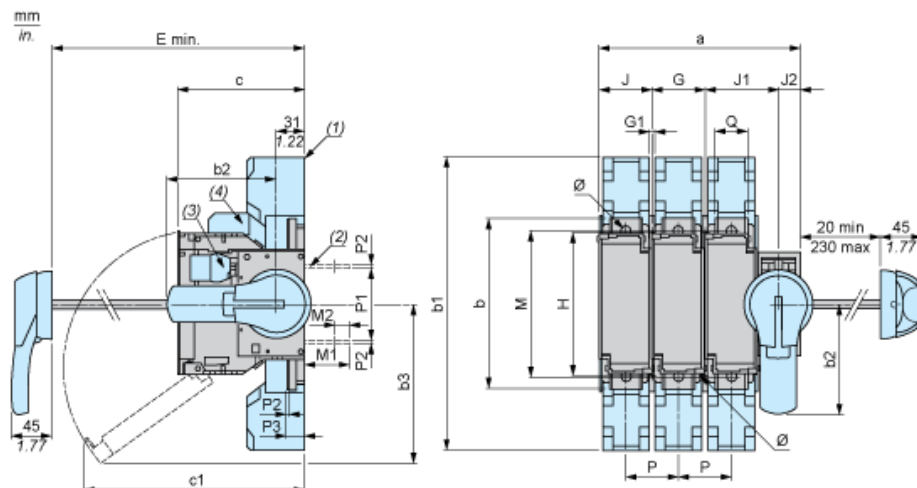
Complementary

Network frequency	50/60 Hz
Mounting support	Plate Rail
[U _i] rated insulation voltage	750 V AC 50/60 Hz
[U _{imp}] rated impulse withstand voltage	8 kV
Short-circuit withstand	20 kA
[I _e] rated operational current	100 A at 400 V AC-23A 100 A at 400 V AC-23B 100 A at 440 V 2 poles in series per phase DC-23A 100 A at 440 V 2 poles in series per phase DC-23B 100 A at 500 V AC-23A 100 A at 500 V AC-23B 100 A at 690 V poles not juxtaposed AC-23A 100 A at 690 V poles not juxtaposed AC-23B
Rated operational power in W	51 kW at 400 V AC-23A 51 kW at 400 V AC-23B 63 kW at 500 V AC-23A 63 kW at 500 V AC-23B 90 kW at 690 V AC-23A 90 kW at 690 V AC-23B
Making capacity	1000 A at 400 V (AC-23B)
[I _{cm}] rated short-circuit making capacity	100 kA rating of associated fuses 80 kA at 400 V with protection by gl fuses
Breaking capacity	800 kA at 400 V AC-23B
Mechanical durability	10000 cycles
Electrical durability	1500 cycles on AC-23A 1500 cycles on AC-23B 300 cycles on AC-23A 300 cycles on AC-23B
Connections - terminals	Power circuit: bars cable 20 mm ² Power circuit: cable cable 25...95 mm ²
Tightening torque	Power circuit: 12 N.m
Height	148 mm
Width	162 mm
Depth	116 mm
Product weight	1.5 kg

Environment

Standards	IEC 60269-1 IEC 60269-2 IEC 60947-3
Product certifications	ASEFA LOVAG LROS (Lloyds register of shipping)
IP degree of protection	IP20 with terminal cover conforming to IEC 60529
Ambient air temperature for operation	-20...70 °C
Ambient air temperature for operation	-20...70 °C operation -40...80 °C storage
Fire resistance	850 °C fuse cover conforming to IEC 60695-2-1 960 °C body conforming to IEC 60695-2-1

External Front and RH Side-mounted Operator



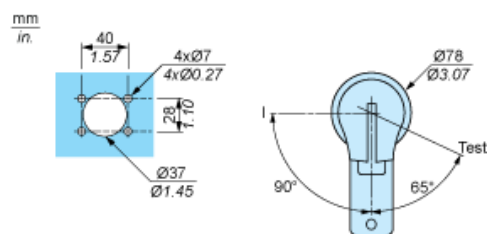
- (1) Terminal cover.
- (2) Rear access connector plates (option).
- (3) 1 to 8 auxiliary contacts GS1AM1••.
- (4) 1 to 2 auxiliary contacts GS1AF••.
- (5) 1 auxiliary contact GS1AM1••: + 23.5 mm, 2 auxiliary contacts GS1AM1••: + 47 mm.
- (6) 132 mm with 2 auxiliary contacts GS1AM1••.

In the following table the dimensions are provided in millimeters and in inches (in italic text).

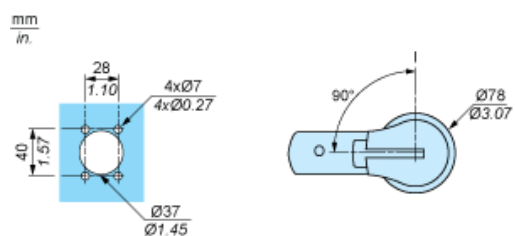
GS2	a	b	b1	b2	b3	c	c1	E min.	G	G1	H	J	J1	J2	Ø	M	M1	M2	P	P1	P2	P3	Q	Ø	
F, DB	3P	121 4.76	118 4.65	–	70 2.76	85 3.35	87 (5) 3.43	153 (5) 6.02	100 (5) 3.94	27 1.06	5.4 0.21	106 4.17	31 1.22	45 1.77	18 0.71	5 0.20	–	15 0.59	6 0.24	27 1.06	59 2.32	2 0.08	–	12 0.47	–
4P	148 5.83	118 4.65	–	70 2.76	85 3.35	87 (5) 3.43	153 (5) 6.02	100 (5) 3.94	27 1.06	5.4 0.21	106 4.17	31 1.22	45 1.77	18 0.71	5 0.20	–	15 0.59	6 0.24	27 1.06	59 2.32	2 0.08	–	12 0.47	–	
G. GB	3P	136 5.35	118 4.65	–	70 2.76	159 6.26	116.5 (6) 4.59	125 4.92	32 1.26	5.4 0.21	106 4.17	36 1.42	50 1.97	18 0.71	5 0.20	–	15 0.59	6 0.24	32 1.26	59 2.32	2 0.08	–	12 0.47	–	
4P	168 6.61	118 4.65	–	70 2.76	159 6.26	116.5 (6) 4.59	125 4.92	125 4.92	32 1.26	5.4 0.21	106 4.17	36 1.42	50 1.97	18 0.71	5 0.20	–	15 0.59	6 0.24	32 1.26	59 2.32	2 0.08	–	12 0.47	–	
J, JB, K	3P	148 5.83	162 6.38	268 10.55	125 4.92	141 5.55	116 (6) 4.57	187 7.36	135 5.31	36 1.42	5.4 0.21	127 5.00	40 1.57	54 2.13	18 0.71	5 0.20	141 5.55	41 1.61	8 0.31	36 1.42	62 2.44	2.5 0.10	19.5 0.77	20 0.79	8.5 0.33
4P	184 7.24	162 6.38	268 10.55	125 4.92	141 5.55	116 (6) 4.57	187 7.36	135 5.31	36 1.42	5.4 0.21	127 5.00	40 1.57	54 2.13	18 0.71	5 0.20	141 5.55	41 1.61	8 0.31	36 1.42	62 2.44	2.5 0.10	19.5 0.77	20 0.79	8.5 0.33	
KK, LL	3P	148 5.83	162 6.38	268 10.55	125 4.92	141 5.55	126.5 (6) 4.98	193 7.60	135 5.31	36 1.42	5.4 0.21	127 5.00	40 1.57	54 2.13	18 0.71	5 0.20	141 5.55	41 1.61	8 0.31	36 1.42	62 2.44	2.5 0.10	19.5 0.77	20 0.79	8.5 0.33
4P	184 7.24	162 6.38	268 10.55	125 4.92	141 5.55	126.5 (6) 4.98	193 7.60	135 5.31	36 1.42	5.4 0.21	127 5.00	40 1.57	54 2.13	18 0.71	5 0.20	141 5.55	41 1.61	8 0.31	36 1.42	62 2.44	2.5 0.10	19.5 0.77	20 0.79	8.5 0.33	
L, LB, LLB	3P	190 7.48	162 6.38	268 10.55	125 4.92	174 6.85	136.5 (6) 5.37	229 9.02	145 5.71	50 1.97	5.4 0.21	140 5.51	54 2.13	64 2.52	18 0.71	5 0.20	141 5.55	41 1.61	8 0.31	50 1.97	62 2.44	2.5 0.10	19.5 0.77	20 0.79	8.5 0.33
4P	240 9.45	162 6.38	268 10.55	125 4.92	174 6.85	136.5 (6) 5.37	229 9.02	145 5.71	50 1.97	5.4 0.21	140 5.51	54 2.13	64 2.52	18 0.71	5 0.20	141 5.55	41 1.61	8 0.31	50 1.97	62 2.44	2.5 0.10	19.5 0.77	20 0.79	8.5 0.33	

GS2	a	b	b1	b2	b3	c	c1	E min.	G	G1	H	J	J1	J2	Ø	M	M1	M2	P	P1	P2	P3	Q	Ø	
MMB, NB, N	3P	234 9.21	195 7.68	345 13.58	125 4.92	185 7.28	146 5.75	251 9.88	154 6.06	60 2.36	6.4 0.25	162 6.38	64 2.52	86 3.39	25 0.98	6 0.24	166 6.54	52 2.05	17 0.67	60 2.36	84 3.31	2.5 0.10	19.5 0.77	32 1.26	11 0.43
4P	294 11.57	195 7.68	345 13.58	125 4.92	185 7.28	146 5.75	251 9.88	154 6.06	60 2.36	6.4 0.25	162 6.38	64 2.52	86 3.39	25 0.98	6 0.24	166 6.54	52 2.05	17 0.67	60 2.36	84 3.31	2.5 0.10	19.5 0.77	32 1.26	11 0.43	
PPB, QQB, QQ	3P	252 9.92	205 8.07	355 13.98	125 4.92	200 7.87	149 5.87	260 10.24	157 6.18	66 2.60	6.4 0.25	172 6.77	70 2.76	91 3.58	25 0.98	6 0.24	175 6.89	54 2.13	14.5 0.57	66 2.60	84 3.31	3 0.12	20 0.79	50 1.97	11 0.43
4P	318 12.52	205 8.07	355 13.98	125 4.92	200 7.87	149 5.87	260 10.24	157 6.18	66 2.60	6.4 0.25	172 6.77	70 2.76	91 3.58	25 0.98	6 0.24	175 6.89	54 2.13	14.5 0.57	66 2.60	84 3.31	3 0.12	20 0.79	50 1.97	11 0.43	

Door Cut-out - For External Front-mounted Operator



Door Cut-out - For External RH Side-mounted Operator



3-pole GS

