

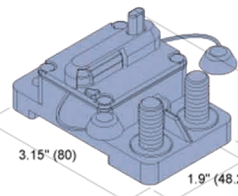


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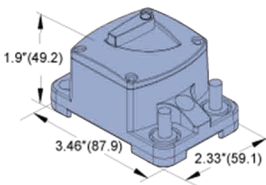
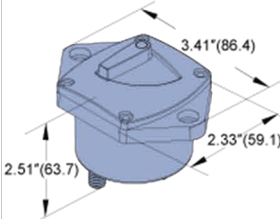
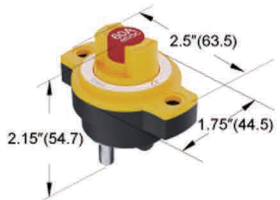
YOUR POWER, PROTECTED.

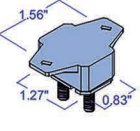






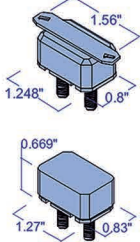








	E9_ABC		E9_123	E9_789		T1: auto reset	
	side by side		wide surface	surface mount			
100% Hold 135% Trip (% of rating)							
Size (LxW), mm	80 x 48.2		89.2 x 48.2	74 x 48.2			
Function Available	T1: auto / T3: manual / T3+sw: w/ forced power outage						
Disconnect Warning	yes, available						
Rate Current	25-300A			25-150A			
Rate Voltage	48Vdc						
Interrupt Capacity	@5KA-18Vdc, @3.5KA-48Vdc						
Endurance	>6K cycles,4X(rate) @ 14Vdc, >100cycles,4X(rate) @ 48Vdc						
Termination	A:1/4"-28, B:3/8"16, C"5/16"-18			A:1/4"-28			
Torque Rating	A: 1/4" @11.3Nm(100in-lb), B: 3/8" C: 5/16" @17Nm(150in-lb)						
Mounting Hole	Ø 0.26" (6.6mm)						
Ignition Protected	compliance SAE J1117, ISO 8846, UL 1500						
Ingress Protected	IP67						
Test Compliance	per UL 1077, SAE J553						
Dimension inch(mm)							
Environmental test per method of standard	IGNITION protected,Waterproof, Cadmium free, RoHS / CE / UKCA SAE J553, J1171, ISO 8846, UL 1500, ABYC E-11, Shock, Vibration, Corrosion, Humidity: Mil-STD-202						

	E9_456	E9_DEF	51-54-55(E6_456)	E6_789
	panel mount	horizontal mount	mini-panel	mini surface
100% Hold 135% Trip (% of rating)				
Size (LxW), mm	74.8(wing) x 48.8	73.8(wing) x 40.4	exposed 32Φ x 12	58.2 x 35.7
Function available	T1: auto / T3: manual / T3+sw: w/ forced break			
Disconnect warning	yes, available			N/A
Rate Current	25-300A			10-70A
Rate Voltage	48Vdc			32Vdc
Interrupt capacity	@5KA-18Vdc, @3.5KA-48Vdc			@2.5KA-32Vdc
Endurance	>100cycles,4X(rate)@48Vdc			>100,4X(rate)@32Vdc
Termination	B: 3/8"-16, A: 1/4"-28			10/32"
Torque rating	1/4"@11.3Nm(100in-lb), 3/8"@17Nm(150in-lb)			2.7Nm (24 in-lb)
Mounting hole	Ø 0.26" (6.6mm)		#8-32 threaded	Ø 0.236" (6mm)
Ignition Protected	compliance SAE J1117, ISO 8846, UL 1500			
Ingress Protected	IP67		IP66	
Test compliance	per UL 1077, SAE J553			
Dimension inch(mm)				







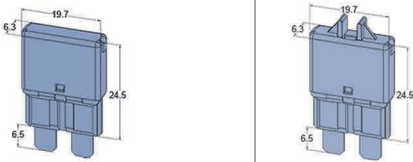
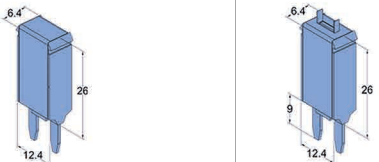
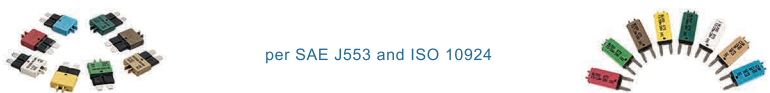









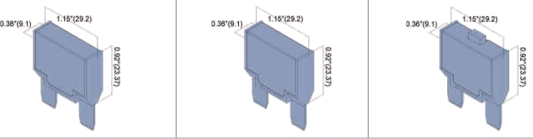
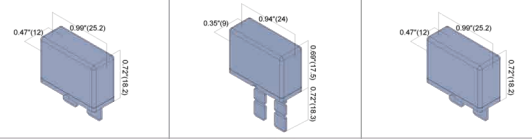
	SW+CB, 2 in 1			Open circuit warning
	187F	187P	153(E2)	
100% Hold 135% Trip (% of rating)			COMING SOON	
Function	SWITCH ON-OFF with CB in T3 mode			T1, T3, T3+switch
Rate Current	25-300A		10-70A	25-300A
Rate Voltage	48Vdc		48Vdc	48Vdc
Interrupt Capacity	5KA @ 14Vdc 3KA @ 28Vdc 1.5KA @ 48Vdc		1KA @ 14Vdc 750A @ 28Vdc	3KA @ 14Vdc 1.5KA @ 48Vdc
Endurance	≤200A >100,4X(rate)@48Vdc >200A >100,4X(rate)@24Vdc		>100 cycles,4X (rate) @ 48Vdc	
for Main switch # of switching	>10K cycles @ 48Vdc rate (follow by UL 10 cycles/min)		>5K cycles @ 48Vdc rate	
Termination	C: 5/16"-18, B: 3/8"-16 threaded studs		A: 1/4"-28	A/ B/ C
Torque Rating	A: 1/4" @11.3Nm(100in-lb), B: 3/8" C: 5/16" @17Nm(150in-lb)			
Mounting Hole	Ø0.22" (5.57mm)		Ø0.25" (6.3mm)	Ø0.26" (6.6mm)
Environmental Test Per Method of standard	IGNITION Protected, IP 66 / IP67 Waterproof, Cadmium free, RoHS / CE SAE J553, J1171, ISO 8846, ABYC E-11, UL1077, UL1500 Shock, Vibration, Corrosion, Humidity: Mil-STD-202			
Dimension inch(mm)				for all E9 series can be disconnect warning indicator




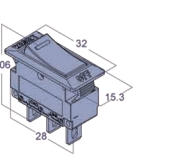
	Stud Type Circuit Breaker			Cross to 12x		
	Automatic Reset (Typel)			Modified Reset (Typell)		
	E511	E512	E513	E521	E522	E523
						
				Manual Reset (Type III)		
						
Function Type	Thermal Trip-free, Cycling / Thermal Trip, Modified, Manual Reset					
Circuit	Single Pole, Normal Closed					
Ratings	5-50A, 14Vdc/28Vdc					
Calibration@25°C	100% Hold, 135% Trip(percent of rating)					
Maximum Interrupt Capacity	Branch Circuit Protection: 2.5KA@12Vdc Main Circuit Protection: 1.5KA@12Vdc					
Terminal	#10-32 Thread and Quick-Connect available; 24 in/lb max torque					
Mounting	Stud Mount, Bracket Mount					
Compliances	SAE J553, SAE J1171, IP66 (Plastic, except terminations), CE					

Color Coded Style	Accessories Boot/ Bracket
	
Busbar / Bracket	Wide Mounting Bracket
	



	ATC (Low Profile) cross to 1610, 227			mini ATM cross to 1620, 21X		
	E37	E38	E39	E71	E72	E73
100% Hold 135% Trip (% of rating)						
Reset type	T1, auto	T2, modified	T3, manual	T1, auto	T2, modified	T3, manual
Dimension (mm)						
Rate Current	K(std): 3-30A, F(fast):5-40A			H(std):5-30A, F(fast):7.5-30A		
Rate Voltage	14 / 28Vdc	14Vdc	32Vdc	14 / 28Vdc	14Vdc	28Vdc
Ultimate interrupt	2KA @ 32Vdc, ≅ 150A x 3			2KA @ 28Vdc, ≅ 150A x 3		
SC Breaking	>300 cycles @ 50A			>300 cycles @ 2X		
Endurance	>30min @ 4X	>100 cycles @ 4X-32Vdc		>30min @ 4X	>100 cycles @ 4X-28Vdc	
Interrupt Rating	 per SAE J553 and ISO 10924					
Color Code	3Amp [Purple]; 5Amp [LT.Brown(Tan)]; 6Amp [Moss Green]; 7.5Amp [Brown]; 10Amp [Red]; 15Amp [Blue]; 20Amp [Yellow]; 25Amp [White]; 30Amp [Green]; 40Amp [Orange]					
Compliances	SAE J553, J1171, UL1500, TUV, CE,Cadmium free ISO 10924-4, 8846, UKCA, RoHS			SAE J553, J1171, UL1500, CE,Cadmium free ISO 10924-3, 8846, UKCA, RoHS		
Available Accessory	 HD-E32 HD-E72 HODE82					

	Cross to MAXI (19X)			E3X, ACB / FCB / UCB (cross to 1160)		
	E81	E82	E83	E31X,T1 E32X,T2 available		T1, auto reset & T2, modified
100% Hold 135% Trip (% of rating)						
Reset type	T1, auto	T2, modified	T3, manual	E31X,T1 E32X,T2 available		T1, auto reset & T2, modified
Dimension inch(mm)						
Termination	MAXI / ATC / wide ATC			6.3 QC 5.1-3 truncation 5.1 x 12.5		
Rate current	8-60A	8-40A	8-60A	5-30A		
Rate voltage	14/28 Vdc	14Vdc	14/28 Vdc	14/28 Vdc		
Ultimate interrupt	2KA @ 28Vdc			2KA @ 28Vdc		
Endurance	>30min @ 4X	>100 cycles @ 4X-28Vdc		>30min @ 4X (rate)		
Interrupt rating	per SAE J553			per SAE J553		
Compliances	SAE J553, CE, UKCA, RoHS			SAE J553, CE, UKCA, RoHS,TUV		




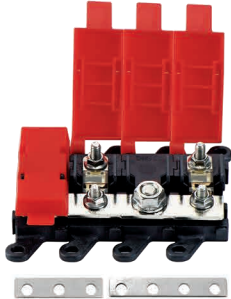
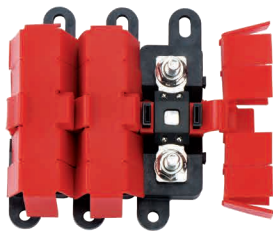
	Thermal overload CB, Trip-free with manual reset			
	L1	L2	W	L8
100% Hold 150% Trip (% of rating)				
Rate current	3-50A	2-20A	3-20A	5-20A
Rate voltage	125 / 250 Vac, 50 Vdc		120 / 240 Vac, 50 Vdc	125/250 Vac
Interrupt rating	1KA @ 125Vac, C1 1KA (PC1) 400A @ 250Vac, C1 300A @ 50Vdc, U1		1KA (PC1) 1KA @ 250Vac, U1 1KA @ 50 Vdc, U1	1KA, C1
Certifications	cUL 1077, TUV, EN 60934, CE, RoHS, UKCA			
Dimension (mm)				






	A - Type	J - Type	S - Type
Function type	Hydraulic Magnetic, Trip-free, Manually on-off		
Number of poles	1 - 4P	1 - 4P	1 - 2P
Actuator style	Handle Rocker		Rocker Paddle Push to reset button
Available delay	Instantaneous, Short, Medium, Long, AC/DC		
Maximum current & Voltage ratings	1-100A, 125/ 250/ 277/ 415/ 480 VAC 65/ 80/125Vdc	1-50A, 125/ 250/ 277/ 415/ 480 VAC 65/ 80Vdc	0.5-30A 250 Vac 80 Vdc
Calibration @ 25°C (percent of rating)	100% Hold, 125% Trip		
Maximum interrupt capacity	10KA(PC1) 277Vac@5KA(SC) 125Vdc@2KA(SC)	5KA(PC1) 250Vac@3KA(SC) 415Vac@1ka(SC) 80Vdc@2ka(SC)	80Vdc@1KA(SC)
Available circuit	Series, shunt, relay, switch only, Series w/remote shutdown Relay & shunt trip, dual coil, Mid - trip with alarm switch		Series and switch only
Termination	M5, M6 Studs Plug-in Fuse clip Saddle clamp, M5	250" QC tabs, M4, M5, 10-32 side screw Saddle clamp, M4 PCB mount	250" QC tabs, M4 side screw PCB mount
Mounting	Rear mounted Snap-in front panel		Snap-in front panel
Certifications	cUL 1077, TUV, EN 60947, DIN, CE, RoHS 2.0, Cadmium free		TUV, CE, RoHS 2.0
Dimensions (mm)			




	Common Busbar			
	Mini BB	CBB	MBB	UBB
Current	100A 48Vdc	150A 48Vdc	250A 48Vdc	600A 48Vdc
Poles	4P/ 5P	4P/ 10P/ 12P; 6P/ 20P	4P/ 6P/ 12P	4P/ 8P
Studs	3/16"-24	1/4"-20	5/16"-18	3/8"-16
Screws	#8-32	#8-32	#10-24	-
Material	Tin Plated Solid Copper			




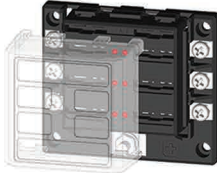

	Terminal Blocks (Front and Rear Transferring)			
	TBB	TBC	TBD	TBE
No need to be mounted on PCB-transferring terminal blocks				
Poles	02~24 P	02~22 P	02~14 P	02~12 P
Pitch (mm)	9.5	11	14.28	17.45
Housing	PC UL94V-0			
Screw	Stainless Steel			
Torque	M3.5 / 7.02 lb*in	M3.5 / 7.08 lb*in	M4 / 10.53 lb*in	M5 / 17.54 lb*in
UL Voltage (V)	300V	300V	600V	600V
UL Current (A)	20A	25A	30A	75A



Bolt-Down fuse holder. Configured to fit multiple acceptable	Fuse Block Holder			Power Distribution Module
	DMM	DMS-C	DMS-1	DMS multi-com
				
Application	BDFM (Mega) Holder	BDFS (Midi) Holder		
Cap	Silicon Rubber (200°C max)			
Base	PPS, 94V0 grade (230°C max)			DMM multi-com
Studs	Stainless Steel w/ Keps Nut	Stainless Steel w/ Hex Flange Nut (M8)	Stainless Steel w/ Flange Nut (M5)	
Rating	500A	200A		
Input Terminal	M8 stud	M8 stud	M5 stud	
Output Terminal	M8 stud	For centrl common input	M5 stud	
Recommended Torque	M8 @ 25Nm min Mounting @ 10Nm min	M8 @ 10Nm min Mounting @ 2.5Nm min	M5 @ 5Nm min Mounting @ 2.5Nm min	
Operating Temperature	-40°C ~ +105°C	-40°C ~ +85°C		

Fuse				
BDFS (Midi Fuse)	BDFS (Midi) Holder	BDFL (ANL)	BDFM (Mega/ANM)	BDFM (Mega/ANM) Holder
				
	23-200A	40-400A		40-500A

Battery Fuse					Terminal Fuse Block						
P/N	Rating	Voltage	Insulating Body Material and cover material	Interrupt Capacity	Ignition Protected	P/N	Stud	Stud Size	Mounting Hole	Stud Length	
	30A	58Vdc	Ceramic & Visible PES	2,000A @ 58Vdc	N/A	TFB1		Single Stud	A: 1/4"-20 C: 5/16"(M8)	S: 3/8"(9.5mm) B: 1/2"(12.7mm)	A(1/4): 44.5mm(1.75") B(M8): 46.5mm(1.83")
	300A					TFB2					
			Ceramic & UL 94V0 Thermoplastic	10,000A @ 14Vdc 5,000A @ 32Vdc 2,000A @ 58Vdc	Yes						

	BW100	BW101	VSR125	Fuse Block Dual	Negative Bus Bar
				FBD06P	NBBO6P
					
Function	ON-OFF	ON-OFF-ON	-		
Max Voltage	48V	48V	12V		
Stud Size	M10	M8	-		
Cranking Rating (10 Secs)	1250A	1000A	-		
Intermittent Rating(5 mins)	455A	300A	140A		
Continuous Rating	275A	200A	125A		
Compliances	ISO8846,SAE J1171		CE;IP67 ISO8846,SAE J1171		
AFD Function	BW100A	BW101A	-		

The multi-use compact modular design blade fuse blocks with built in LED indicator. Accepts standard (ATP/ATC/ATO) blade fuses and extra height for fuse type circuit breaker.

Amp Rating per Branch: 30A (Screw Terminals)
Max Cumulative: 32 Vdc, 100A per block
Terminal Main Stud Size: M5(#10)
Screw Size: M4(#8)

MAJOR EVENTS

Glorious Sources Company was established in Taipei, Taiwan

1986 Setup Kaohsiung, Taiwan sales office

1990 Registered as GLOSO TECH INC. as brand and trademark.

1995 Setup Taichung, Taiwan office
3rd sales office in Taiwan.

UL/TUV/DIN/Semko/
SAE/ISO certificated

2007 Began OEM, ODM for US and European customers.

Obtained TS-16949 certification for the automotive market, expanding business to Mexico, India and Canada

2015 Expanded Business to Automovie and Marine Field.

2016 Set up Hangzhou, China sales office

2017 IATF 16949 certified manufacturer

2018 SAP ERP implement.

Tripled our warehouse size and established automated production in the California. Expanded production to Vietnam by Q3 2024

1985 1996 2004 2010 2014 2019 2024

Dongguan Factory was established with circuit protection and switches lines (TopStone Corp.)

1998 Setup shanghai sales office

2000 Obtained ISO-9001 certification for Quality Management.

Joint venture with Ningbo Victor

2012 Expanded OEM service to Australia, Canada, Japan and South East Asia.

2013 Setup U.S. sales office

GLOSO 2.0 website launched. Ecommerce online store opening.

2020 Ecommerce Department Established.

2021 Physical Warehouse setup in Southern California

2022 QC/Lab/Assembly setup in USA

GLOSO TECH. Inc.

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Production Size: 20,000 m²

R&D Division: 3,000 m²

40+ years of circuit protection experience

1 million pieces monthly capacity

About Us

GLOSO Tech. Inc., founded in 1985, is a premier manufacturer of high-quality switches and circuit protection products. Certified to IATF 16949 and ISO 9001 standards, we are recognized leaders in the low-voltage and overload current application market. Our in-house design, manufacturing, and assembly processes are supported by top-tier R&D, production, and engineering teams. Our products comply with UL, ISO, SAE, TUL, RoHS, and ENEC safety standards. With five sales offices and five production facilities worldwide, GLOSO is well-positioned to serve a global customer base. We have also established an e-commerce platform and an assembly in the U.S./Vietnam to enhance our brand presence and better serve our customers. GLOSO is your ideal partner and solution provider in the field of circuit protection.

Our Commitment

We are committed to continuous improvement, delivering the highest quality products, and maintaining long-term partnerships with our clients. Our ultimate goal is to provide exceptional customer service and create products that set industry standards.

Our Products

Our company's hydraulic (A, J, and S-Type) and thermal circuit breakers (E, L, W) are designed for a wide range of applications, including automotive, marine, EV, home appliances, power tools, telecommunication systems, healthcare equipment, industrial testing equipment, security systems, and DC/AC protection systems.

GREAT VALUE LEADING BRANDS EXCELLENT QUALITY

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