

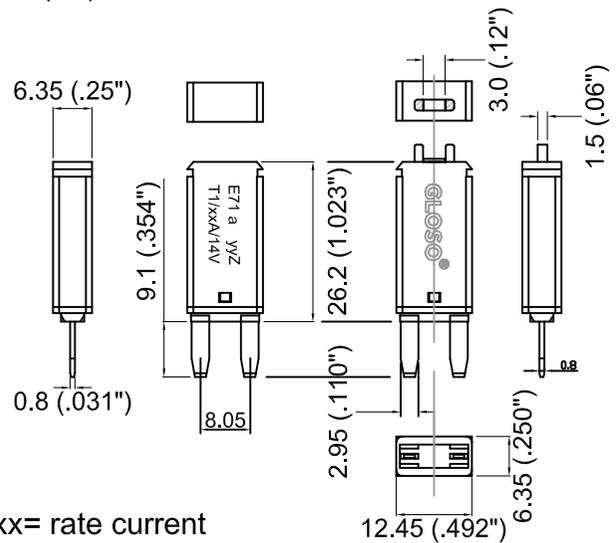
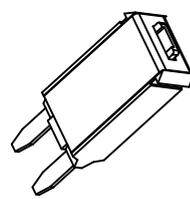
Aluminum cover  
 E77 :T1, auto reset, 14Vdc  
 E78 :T2: modified reset, 14 Vdc  
 cover code:  
 gold (T1), silver (T2)  
 laser mark with  
 rate current  
 E77, E78  
 discontinued end 2023



Aluminum cover  
 E7D :diode inside  
 diode: philips BY328 6A/1500V

unit: mm (inch)

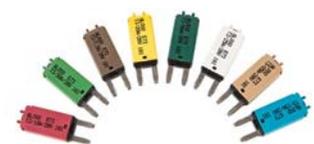
Plastic cover,  
 E71(T1), auto reset, 12Vdc  
 E72(T2), modified reset, 12Vdc  
 E73(T3), manual reset, 12/24 Vdc



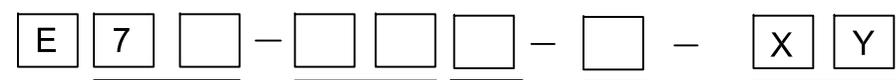
- Color code
- 05-5A: LT.brown
  - 06-6A: moss green
  - 75-7.5A: brown
  - 10-10A: red
  - 15-15A: blue
  - 20-20A: yellow
  - 25-25A: white
  - 30-30A: green

xx= rate current  
 yy= week code  
 Z = year code

a=H(std) or F(fast)



AEV	Item	Date	Description	Revised By
	1	03.03.14	Change logo and brand name.	
	2			

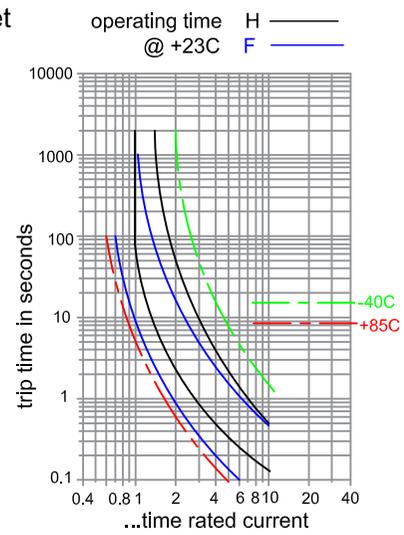


- Type: T1 (77, 71)  
 T2 (78, 72)  
 T3 (73)  
 diode (7D)
- Rate current:  
 05-5A, 75-7.5A,  
 10,15, 20,  
 25, 30A
- OP time:  
 H: standard,  
 5-30A  
 F: fast,  
 7.5-30A
- Voltage:  
 4:14Vdc  
 8:28Vdc
- X: package code  
 - 0, bluk packed  
 - 2, by boxed  
 - 3, by blister  
 - 4, clam shell  
 - 7, PE packed
- Y: mark code  
 0 - IG. PROTECTED  
 1 - std. Gloso mark  
 2 - blank, no any mark  
 y - consult factory  
 for special mark

Mini Circuit Breaker, Auto / Modified / Manual reset  
 Plastic cover with a color code, E71(T1), E72(T2), E73(T3)  
 Aluminum cover with laser mark, E77(T1), E78(T2)

- \* Single Pole Thermal Type Breakers.
- \* Rating: 5-30A @ 14Vdc & 28Vdc
- \* Max. voltage: T1/T2 @14.5Vdc, T3 @ 29Vdc
- \* Ultimate capacity: 2000A @ 32Vdc or ≥150A x 3
- \* SC breaking capacity: >300 operations @ 50A
- \* Endurance: >100 operations @ 4 x In
- \* Voltage drop: <150mV
- \* Interrupt Capacity: Compliance SAE J553
- \* Operating temperature:  
 -40F(-40C) to 185F(85C)
- \* Storage temperature:  
 -40F(-40C) to 260F(125C)
- \* Marking:  
 Standard marking  
 includes type/ voltage/ amp
- \* Termination:  
 Compatible with 280 Type fuse blocks using  
 0.32in. (8.1mm) centerline spacing.
- \* Meet SAE J553, ISO 10924-3
- \* std H type, 5-30A, hold on 100% rate current  
 fast trip F type, 7.5-30A, hold on 70% of rate

cross to 21X  
 1620(std)  
 1626(fast)



operating time	by sec.	H (std)	F (fast)
0.7 /R	>3600	>3600	>9
1 /R	>3600	>9	6-500
1.1 /R	>60	3-74	1.9-37
1.35 /R	45-1800	1.1-18	0.3-3.9
1.6 /R	20-200	0.1-1.1	
2 /R	5-60		
3.5 /R	0.5-0		
6 /R	0-2.0		

derating factor	ambient temp.	factor	ambient temp.	factor
	-40F/-40C	0.73	+73F/+23C	1
	-22F/-30C	0.78	+104F/+40C	1.09
	-4F/-20C	0.82	+122F/+50C	1.16
	+14F/-10C	0.86	+140F/+60C	1.25
	+32F/0C	0.91	+158F/+70C	1.33
	+50F/+10C	0.95	+185F/+85C	1.43

0<1 ± 0.05	18<50 ± 0.4	Material		Parts no	E7 TYPE
0<6 ± 0.2	50<120 ± 0.5			Drawing by	宋铁强
6<18 ± 0.3	120<250 ± 0.6	Date	03/03/14	Check by	万文
Tolerance unless otherwise specified,unit in mm		Issue	A/4	Approve by	Jerry
				Drawing no	E7-1
				Model code	E7系列



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