**ENERGY AND AUTOMATION** 

# electric AUTOMATISCHE BATTERIE-LADEGERÄTE, FÜR BLEIBATTERIEN SERIE BCF. 1,25A, 24VDC



Power supply         Rated voltage Us         min wax         VAC val ±10%           Operational frequency         min val val ±2 val ±10%           Power consumption         min val val ±2 val ±5% max         val ±5%           Power consumption         Max val 80 max         val 39           Power dissipation Max         W         6           Internal fuse         A         2           Charging cycle         Ec62368-1           Reference standards         IEC62368-1           Battery type         lead-acid           Battery voltage         VDC 24           Charging current (Ic)         A 1.25           Charging current adjustment         % Ic Fixed           Protections         Indications           Leaverse battery polarity solution that battery terminals; 2. Reverse battery polarity; 3. Low voltage at low voltage at battery polarity; 3. Low voltage at low voltage; 4. Output overload.           Indications         Ves         Act; 3A 250VAC           Read capacity         Kalca (Carrier)         Act; 3A 250VAC           Mechanical features         Fixed	Product designation Product type designation  Type			Automatic battery chargers BCF Single phase automatic battery charger 1 charging level for lead-acid batteries
Operational frequency         min Max         VAC         100 and 110%           Operational frequency         min Max         VAC         240 ±10%           Power consumption         min Max         VA         80           Power dissipation Max         W         80           Internal fuse         A         2           Charging cycle         IEC62368-1           Battery type         IEC62368-1           Battery voltage         VDC         24           Charging current (Ic)         A         1.25           Charging current adjustment         % Ic         Fixed           Protections         Main supply fuse; charging inhibition due to: 1. Short circuit at battery terminals; 2. Reverse battery polarity; 3. Low voltage at battery poles; 4. Output roverload. Low voltage at battery poles; 4. Output roverload. Low voltage at battery poles; 4. Output type         Low voltage at battery poles; 4. Output type           LDI reverse battery polarity         Yes           Alarm output circuit         AC1: 3A 250VAC           Mechanical features         Modular DIN rail mounting	Power supply			
Power consumption				
Power dissipation Max         WA Max         WA 39           Power dissipation Max         W 6           Internal fuse         A 2           Charging cycle         ****  Reference standards         IEC62368-1           Battery type         lead-acid           Battery voltage         VDC 24           Charging current (Ic)         A 1.25           Charging current adjustment         *** Is is in the charging inhibition due to:           Protections         1. Short circuit at battery terminals; 2. Reverse battery polarity; 3. Low voltage at battery poles; 4. Output overload.           Indications         LED reverse battery polarity         Yes           Alarm output circuit         Yes           Qutput type         1 relay           Rated capacity         AC1: 3A 250VAC           Mechanical features         Modular DIN rail mounting	Operational frequency			
Internal fuse A 2  Charging cycle  Reference standards IEC62368-1  Battery type Iead-acid  Battery voltage VDC 24  Charging voltage (Uc) 27.2 VDC  Charging current (Ic) A 1.25  Charging current adjustment % Ic Fixed  Main supply fuse; charging inhibition due to: 1. Short circuit at battery terminals; 2. Reverse battery terminals; 2. Reverse battery polarity; 3. Low voltage at battery poles; 4. Output overload.  Indications  LED reverse battery polarity  Yes  Alarm output circuit  Output type 1 relay  Rated capacity  Yes  Housing type Modular DIN rail mounting	Power consumption			
Internal fuse A 2  Charging cycle  Reference standards IEC62368-1  Battery type lead-acid  Battery voltage VDC 24  Charging voltage (Uc) 27.2 VDC  Charging current (Ic) A 1.25  Charging current adjustment % Ic Fixed  Main supply fuse; charging inhibition due to: 1. Short circuit at battery terminals; 2. Reverse battery terminals; 2. Reverse battery polarity; 3. Low voltage at battery poles; 4. Output overload.  Indications  LED reverse battery polarity Yes  Alarm output circuit  Output type 1 relay  Rated capacity AC1: 3A 250VAC  Mechanical features  Housing type  Modular DIN rail mounting	Power dissipation Max		W	6
Reference standards Battery type Battery type Battery voltage VDC 24 Charging voltage (Uc) Charging current (lc) Charging current adjustment  Protections  Protections  Protections  A 1.25  Main supply fuse; charging inhibition due to: 1. Short circuit at battery terminals; 2. Reverse battery polarity; 3. Low voltage at battery polarity; 3. Low voltage at battery polarity LED reverse battery polarity  LED reverse battery polarity  Test of the decomposity of the deco			Α	2
Reference standards Battery type Battery type Battery voltage VDC 24 Charging voltage (Uc) Charging current (lc) Charging current adjustment  Protections  Protections  Protections  A 1.25  Main supply fuse; charging inhibition due to: 1. Short circuit at battery terminals; 2. Reverse battery polarity; 3. Low voltage at battery polarity; 3. Low voltage at battery polarity LED reverse battery polarity  LED reverse battery polarity  Test of the decomposity of the deco	Charging cycle			
Battery voltage Charging voltage (Uc) Charging current (Ic) Charging current (Ic) Charging current adjustment  Protections  Adam output forminals;  A Reverse battery polarity;  A Low voltage at battery polarity;  A Low voltage at battery polarity;  A Coutput overload.  Indications  LED reverse battery polarity  Yes  Alarm output circuit  Output type  Alarm output circuit  Output type  A C1: 3A 250VAC  Mechanical features  Modular DIN rail mounting	Reference standards			IEC62368-1
Charging voltage (Uc) Charging current (Ic) Charging current adjustment  Protections  A 1.25  Main supply fuse; charging inhibition due to:  1. Short circuit at beatery terminals;  2. Reverse battery terminals;  2. Reverse battery polarity; 3. Low voltage at battery polarity; 3. Low	Battery type			lead-acid
Charging current (Ic) Charging current adjustment  Protections  Protections  A 1.25  Main supply fuse; charging inhibition due to: 1. Short circuit at battery terminals; 2. Reverse battery polarity; 3. Low voltage at battery poles; 4. Output overload.  Indications  LED reverse battery polarity  Alarm output circuit  Output type  Rated capacity  Rated capacity  Housing type  Modular DIN rail mounting	Battery voltage		VDC	24
Charging current adjustment % Ic Fixed  Main supply fuse; charging inhibition due to: 1. Short circuit at battery terminals; 2. Reverse battery polarity; 3. Low voltage at battery poles; 4. Output overload.  Indications  LED reverse battery polarity  Yes  Alarm output circuit  Output type  1 relay  Rated capacity  Mechanical features  Housing type  Modular DIN rail mounting	Charging voltage (Uc)			27.2 VDC
Protections  Indications  Led reverse battery polarity; 3. Low voltage at battery poles; 4. Output overload.  Protections  Indications  LED reverse battery polarity  Yes  Alarm output circuit  Output type  1 relay  Rated capacity  AC1: 3A 250VAC  Mechanical features  Housing type  Modular DIN rail mounting	Charging current (Ic)		Α	1.25
Protections  Indications  LED reverse battery polarity  LED reverse battery polarity  Yes  Alarm output circuit  Output type  Rated capacity  Rated capacity  Mechanical features  Housing type  Ac1: 3A 250VAC  Mechanical features  Modular DIN rail mounting	Charging current adjustment		% lc	Fixed
LED reverse battery polarity  Alarm output circuit  Output type  Rated capacity  Mechanical features  Housing type  Yes  1 relay  AC1: 3A 250VAC  Modular DIN rail mounting				charging inhibition due to: 1. Short circuit at battery terminals; 2. Reverse battery polarity; 3. Low voltage at battery poles; 4.
Alarm output circuit Output type 1 relay Rated capacity Mechanical features Housing type  Modular DIN rail mounting				Yes
Output type Rated capacity AC1: 3A 250VAC Mechanical features Housing type  Modular DIN rail mounting				1 <del>63</del>
Rated capacity  Mechanical features  Housing type  AC1: 3A 250VAC  Modular DIN rail mounting	•	<del></del>	<del></del>	1 relav
Mechanical features  Housing type  Modular DIN rail mounting				
Housing type mounting				. 10 11 0/1 200 1/10
Terminals type Fixed				mounting
	Terminals type			Fixed

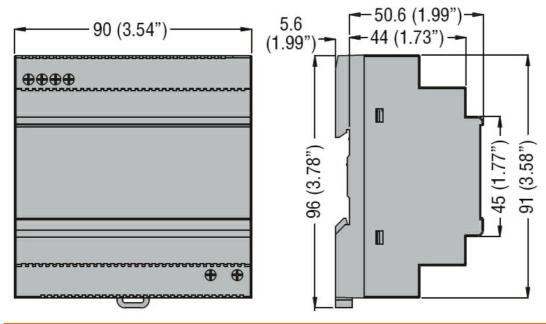


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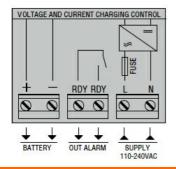
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Fixing				35mm DIN rail or Screw fixing
Weight			g	332
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-40
		max	°C	+51
	Storage temperature			
		min	°C	-40
		max	°C	+85
Protection degree				IP20
Dimoncione				

#### Dimensions



### Wiring diagrams



### Certifications and compliance

Compliance

IEC/EN/BS 60100-6-2 IEC/EN/BS 61000-6-3 IEC/EN/BS 62368-1

Certificates

cURus EAC

### ETIM classification

**ETIM 8.0** 

EC000359 -Universal charger