

Arc Fault Circuit Interrupter, 2 poles, C13A, 30mA, KV, type A

Powering Business Worldwide*

Part no. AFDD-13/2/C/003-LI/A Article no. 187187

Similar to illustration

Delivery program

Number of poles Tripping characteristic Application Set de current In A 13 Set de switching capacity according to IEC/EN 60898-1 Set de switching capacity according to IEC/EN 60099 Icn KA 10 Set de switching capacity according to IEC/EN 61009 KA 10 Set de switching capacity according to IEC/EN 61009 Icn KA 10 Icn KA 10 Set de switching capacity according to IEC/EN 61009 Icn KA 10 Icn	Delivery program			
Tripping characteristic Application Application And A Switchgear for residential and commercial applications Anted current And A 13 Anted switching capacity according to IEC/EN 60898-1 Anted switching capacity according to IEC/EN 61009 Anted short-circuit strength And 10 Anted fault current Anter fault current	Basic function			Arc fault circuit interrupter
Application Application Application Application Application Alter durrent In A 13 Acted switching capacity according to IEC/EN 60898-1 Acted switching capacity according to IEC/EN 61009 Acted short-circuit strength Icn kA 10 Acted short-circuit strength A 0.03 Acted fault current Application A Short time-delayed A Short time-delayed AFDD Acted short-circuit sensitive	Number of poles			2 pole
Rated current Rated switching capacity according to IEC/EN 60898-1 Rated switching capacity according to IEC/EN 61009 Rated short-circuit strength Rated fault current Rated short-circuit strength Rated short-circui	Tripping characteristic			С
Rated switching capacity according to IEC/EN 60898-1 Rated switching capacity according to IEC/EN 61009 Rated short-circuit strength Rated short-circuit strength Rated fault current Rated short-circuit strength Rated short-circuit strength Rated switching capacity according to IEC/EN 60898-1 Rated switching capacity according to IEC/EN 60898-1 Rated switching capacity according to IEC/EN 60898-1 Rated switching capacity according to IEC/EN 61009 Rated short-circuit strength Rated switching capacity according to IEC/EN 61009 Rated short-circuit strength Rated short-circuit stren	Application			Switchgear for residential and commercial applications
Rated switching capacity according to IEC/EN 61009 Rated short-circuit strength Icn Rated fault current I _{AN} Rated fault current I _{AN} A Co.03 Typ LI/A Tripping Rated switching capacity according to IEC/EN 61009 I _{AN} I _{AN} A Co.03 Contributed elayed Contributed elaye	Rated current	In	Α	13
Rated short-circuit strength Rated fault current I _{AN} A 0.03 Typ LI/A Tripping Rusbar type Product range Rensitivity I _{CN} I _{AN} I _{CN} I _{AN} I _{CN} I _{AN} I _{CN} I _{AN} I _{CN}	Rated switching capacity according to IEC/EN 60898-1		kA	10
Rated fault current IAN A D.03 Type Typ Ll/A Short time-delayed Susbar type Product range Sensitivity Pulse-current sensitive	Rated switching capacity according to IEC/EN 61009		kA	10
Typ LI/A Tripping A Short time-delayed ZV-SS Product range Sensitivity Pulse-current sensitive	Rated short-circuit strength	I _{cn}	kA	10
Tripping A Short time-delayed Busbar type ZV-SS Product range AFDD Sensitivity Pulse-current sensitive	Rated fault current	$I_{\Delta N}$	Α	0.03
Bushar type ZV-SS Product range AFDD Sensitivity Pulse-current sensitive	Туре			Typ LI/A
Product range AFDD Sensitivity Pulse-current sensitive	Tripping		Α	Short time-delayed
Sensitivity Pulse-current sensitive	Busbar type			ZV-SS
· ·	Product range			AFDD
mpulse withstand current Partly surge-proof 250 A	Sensitivity			Pulse-current sensitive
	Impulse withstand current			Partly surge-proof 250 A

Technical data

Electrical

Types conform to			IEC/EN 62606 IEC/EN 61009
Current test marks			As per inscription
Limit values of the operating voltage			
Test circuit		V AC	170 - 264
Sensitivity			Pulse-current sensitive
Rated short-circuit strength	I _{cn}	kA	10
lifespan			
Electrical			18= 4000
Mechanical		Operation	ns== 20000
Mechanical			
Standard front dimension		mm	45

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Standard front dimension	mm	45
Device height	mm	80
Built-in width	mm	54 (3TE)
Mounting		Tristable slide catch enables removal from existing combination.
Degree of Protection		IP20 switches IP 40 enclosed
Terminals top and bottom		Twin-purpose terminals
Terminal protection		Busbar tag shroud as per VBG4, ÖVE-EN 6
Thickness of busbar material	mm	0.8 - 2
Admissible ambient temperature range	°C	-25 - +40
Permissible storage and transport temperatures	°C	-35 - +60
Climatic proofing		according to IEC/EN 61009
Contact position indicator		red / green

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	13

Equipment heat dissipation, current-dependent	P_{vid}	W	4
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Meets the product standard's requirements.
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 6.0

Circuit breakers and fuses (EG000020) / Earth leakage circuit breaker with auxiliary device (EC002695)

Electric engineering, automation, process control engineering / Electrical installation, device / Residual current protection system / Earth leakage circuit breaker with auxiliary device (ecl@ss8.1-27-14-22-13 [ADI479004])

1		
Number of poles		2
Nominal rated voltage	V	230
Nominal rated current	Α	13
Rated fault current	Α	0.03
Leakage current type		A
Current limiting class		3
Rated short-circuit breaking capacity EN 60898	kA	10
Rated short-circuit breaking capacity IEC 60947-2	kA	0
Frequency	Hz	50
Release characteristic		C
Concurrently switching N-neutral		No
Over voltage category		3
Pollution degree		2
Width in number of modular spacings		3
Built-in depth	mm	67
Additional equipment attached at delivery		Fire protection switch
Rated switch current auxiliary device	А	0
Rated voltage auxiliary device	V	230
Control voltage type auxiliary equipment		AC
Degree of protection (IP)		IP20