Contactor, 24 V DC, 3 pole, 380 V 400 V, 4 kW, Contacts N/O = Normally open= 1 N/O, Screw terminals, DC operation



Part no. DILEM-10-G(24VDC)

010213

EL Number (Norway)

4130388

Product frame Eaton Meellin's series DILEM Mini contactor Partno EAN ARRESTITUTE Francis (EmplifyEight) Francis (Emplify	Part no. EAN 40(8001902137 France Lange/Morph Product Length Cepth	(Norway)	
Pent no. EAV 415900/EDT 3 FORDIST LingslytDepth Product LineglytDepth Product LineglytDepth Product LineglytDepth Product LineglytDepth Product LineglytDepth Product Verwirth Record Commission Record Record Commission	Part no. EAN 40(8001902137 France Lange/Morph Product Length Cepth		
EM Product Length Depth Product Length Depth Product Length Depth Product width Product Registry Product Product Registry Product	Product temph Depth Se millimente Se mil		
Product Legish Depth Product Legish Product Legish Product veright Product Product Veright Product Product Veright Product Product Product Veright Product Product Product Veright Product Product Product Product Product Veright Product Pro	Product Length Depth Se millimetre Se millimetre Product vinight Se millimetre Se		DILEM-10-G(24VDC)
Product Neight Product veight 20 Bit Milmore Certifications CSA Class No. 2011 46 CSA Class No. 2012 48 CSA File No. 2023 CSA	Product height Product width Product width Product width Product width Product width Carffications C		4015080102137
Product width Product weight O206 bilogram O	Product validh Product validh Product validh Product validh Product validh Product validh Product Pack No. 1275289 UL CAST, No. 14.05 UL CAST, No.	Product Length/Depth	54 millimetre
Product weight Certifications Certif	Product weight Cerifications CSA Class No. 2311-04 CSA Class No. 2311-04 CSA Class No. 2311-04 CSA Class No. 2311-04 CSA Class No. 2311-05 CSA Class No. 2	Product height	58 millimetre
Cartifications	Certifications CSA Flaws Not. 2811.04 CSA Flaw (1228) CSA Flaw (1228) CSA Flaw (1228) Product Tradename Mind contactor Product Type Mind contactor Catalog Notes Also tested according to AC 3a. Catalog Notes Also tested according to AC 3a. Features Passive operating contacts to EN 8097-5-1 appendix L including auxiliary contact modules Fitted with: Auxiliary contact Application Mini Contactors for Motors and Resistive Leads Degree of protection IP20 Ufsagan, mechanical 200000000 perations read 240 V, DC, L/R = 90 me. 2 contacts in series DS AI Mounting position As required (except vertical with minists AII/A2 at the bottom) Operating fracquency 900 mechanical Degradous file Overvaltage category III Protection Finger and back-of-hand proof, Prote	Product width	45 millimetre
CSA File No. 0.17528 U. CAR-102.7 No. 14.15 EUSA MORPS EUSA MO	CSA Fice Not 107289	Product weight	0.206 kilogram
Product Type Product Sub Type None Also tested according to AC-3e. Also tested according to AC-3e. Features Positive operating contacts to EN 60947-5-1 appendix L, including auxiliary contact module Fitted with: Auxiliary contact Application Aimin Contactors for Motors and Resistive Loads Pagree of protection Lifespan, mechanical Lifespan, mechanical Lifespan, mechanical Lifespan, mechanical Auxiliary contact Mounting position Querations (at 240 V, AC-15) 150,000 Operations (at 240 V	Product Type Mini contactor None Catalog Notes Also tested according to AC-3e. Features Product Sub Type Positive operating contacts to EN 80947-5-1 appendix L, including auxiliary contact module Fitted with: Auxiliary contact Application Application Application Degree of protection Lifespan, mechanical Mini Contactors for Motors and Resistive Loads Product Easpan, mechanical Application Mounting position Operating frequency Ontactors Product category Ill Pollution degree Finger and back-of-hand proof, Protection against direct contact when actuated from Item (IS-0274) Reted impulse withstand voltage (Uimp) South Are sistance Again and a coording to IEC/EN 80088-2-27, Half-sinusoidal shock 10 ms a. 3.0 g. Ny On auxilary contact module, Mechanical, according to IEC/EN 80088-2-27, Half-sinusoidal shock 10 ms a. 9.0 g. Ny On auxilary contact module, Mechanical, according to IEC/EN 80088-2-27, Half-sinusoidal shock 10 ms a. 9.0 g. Ny On auxilary contact module, Mechanical, according to IEC/EN 80088-2-27, Half-sinusoidal shock 10 ms a. 9.0 g. Ny On auxilary contact module, Mechanical, according to IEC/EN 80088-2-27, Half-sinusoidal shock 10 ms a. 9.0 g. Ny On auxilary contact module, Mechanical, according to IEC/EN 80088-2-27, Half-sinusoidal shock 10 ms a. 9.0 g. Ny On auxilary contact module, Mechanical, according to IEC/EN 80088-2-27, Half-sinusoidal shock 10 ms a. 9.0 g. Ny On auxilary contact module, Mechanical, according to IEC/EN 80088-2-27, Half-sinusoidal shock 10 ms a. 9.0 g. Ny On auxilary contact module, Mechanical, according to IEC/EN 80088-2-27, Half-sinusoidal shock 10 ms a. 9.0 g. Ny On auxilary contact contact module, Mechanical, according to IEC/EN 80088-2-27, Half-sinusoidal shock 10 ms a. 9.0 g. Ny On auxilary contact module, Section 10 g. Section 10 g. Section 10 g. Section 10 g. Sec	Certifications	CSA File No.: 012528 UL CSA-C22.2 No. 14-05 IEC/EN 60947 UL 508 CSA UL File No.: E29096 UL Category Control No.: NLDX IEC/EN 60947-4-1 CE
Product Sub Type Also tested according to AC-3e. Also tested according to AC-3e. Positive operating contacts to EN 60947-5-1 appendix L, including auxiliary contact module Pestures Positive operating contacts to EN 60947-5-1 appendix L, including auxiliary contact module Auxiliary contact Application Application Product Contactors for Motors and Resistive Loads Pestures Product Contactors for Motors and Resistive Loads Product Contactors Product Category Product Category Product Category Protection Product Category Contactors Product Category AC-8 Monorant Category AC-8 Monorant Category AC-8 Mornal AC induction motors: Category, switch of during running on Exception Repair Succious Category AC-8 Mornal AC induction motors: Category, switch of during running on Exception Repair Category AC-8 Mornal AC induction motors: Category, switch of during running on Exception Repair Category AC-8 Mornal AC induction motors: Category, switch of during running AC-1: Non-inductive or slightly inductive loads, resistance furnaces on turned and the Category AC-8 Mornal AC induction motors: Category preversing, inclining	Product Sub Type Catalog Notes Catalog Notes Also tested according to AC-3e. Positive operating contacts to EN 60947-5-1 appendix L, including auxiliary contact module Fetures Application Application Degree of protection Lifespan, mechanical Lifespan, mechanical Lifespan, mechanical Lifespan, mechanical Degree of protection Lifespan, mechanical Lifespan, mechanical Degree of protection Lifespan, mechanical Lifespan, mechanical Degree of protection Lifespan, mechanical Lifespan, mechanical Lifespan, mechanical Degree of protection Lifespan, mechanical Lifespan, mechanical Degree of protection Lifespan, mechanical Degree of protection Lifespan, mechanical Degree of protection As required (except vertical with terminals A1/A2 at the bottom) Degree of protection Product category In Il Contactors Product category Protection Finger and back-of-hand proof, Protection against direct contact when actuated from from from from from from from from	Product Tradename	DILEM
Also tested according to AC-3e. Positive operating contacts to EN 60947-5-1 appendix L, including auxiliary contact module Fitted with: Auxiliary contact Application Degree of protection Lifespan, mechanical Degree of protection Lifespan, mechanical Degree of protection Lifespan, mechanical Degree of protection As required (except vertica with terminals A1/A2 at the bottom) Deparating frequency Downwordspace category III Pollution degree Product category Protection Shock resistance Display withstand voltage (Uimp) Shock resistance Display NO amain contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 8008-2-27, Half-sinusoidal shock 10 ms 20, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 8008-2-27, Half-sinusoidal shock 10 ms 20, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 8008-2-27, Half-sinusoidal shock 10 ms 20, N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 8008-2-27, Half-sinusoidal shock 10 ms 20, N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 8008-2-27, Half-sinusoidal shock 10 ms 20, N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 8008-2-27, Half-sinusoidal shock 10 ms 20, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 8008-2-27, Half-sinusoidal shock 10 ms 20, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 8008-2-27, Half-sinusoidal shock 10 ms 20, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 8008-2-27, Half-sinusoidal shock 10 ms 20, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 8008-2-27, Half-sinusoidal shock 10 ms 20, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechani	Catalog Notes Also tested according to AC-3e. Positive operating contacts to EN 60947-5-1 appendix L, including auxiliary contact module Fitted with: Auxiliary contact Application Application Application Degree of protection Lifespan, mechanical Lifespan, mechanical Lifespan, mechanical Mini Contactors for Motors and Resistive Loads 1P20 1P20 20,000,000 Operations 200,000 Operations 200,000 Operations (at 240 V, AC-15) 200,000 Operation	Product Type	Mini contactor
Features Positive operating contacts to EN 60947-5-1 appendix L, including auxiliary contact module Auxiliary contact Auxiliary contact Mini Contactors for Motors and Resistive Loads IP20 120,000,000 Operations 200,000 Operations 200,000 Operations 200,000 Operations (at 240 V, AC-15) 150,000 Operations (at 240 V, AC-15) 150,000 Operations (at 240 V, DC, LVR = 50 ms: 2 contacts in series 0.5 A) Mounting position Operating frequency 9000 mechanical Operations/h Overvoltage category III Pollution degree 3 Contactors Product category Contactors Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) Rated impulse withstand voltage (Uimp) Shock resistance 10 g, N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 80068-2-71, Helf-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 80068-2-72, Helf-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 80068-2-72, Helf-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 80068-2-72, Helf-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 80068-2-72, Helf-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 80068-2-72, Helf-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 80068-2-72, Helf-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 80068-2-72, Helf-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 80068-2-72, Helf-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Bas	Features Positive operating contacts to EN 60947-5-1 appendix L, including auxiliary contact module fitted with: Auxiliary contact Application Mini Contactors for Motors and Resistive Loads Degree of protection Lifespan, mechanical Lifespan, mechanical 20,000,000 Operations 200,000 Operations (at 240 V, AC-15) 150,000 Operations (at 240 V,	Product Sub Type	None
Fitted with: Application Mini Contactors for Motors and Resistive Loads Degree of protection Lifespan, mechanical 20,000,000 Operations 20,000 Operations 21 240 V, Dc, L/R - 50 ms: 2 contacts in series 0.5 A) Mounting position As required (except vertical with terminals A1/A2 at the bottom) Operating frequency 9000 mechanical Operations/h Overvoltage category Ill Pollution degree Product category Protection Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) Rated impulse withstand voltage (Uimp) Soov AC Shock resistance Sooy No auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60089-227, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60089-227, Half-sinusoidal shock 10 ms 8 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60089-227, Half-sinusoidal shock 10 ms 8 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60089-227, Half-sinusoidal shock 10 ms 9 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60089-227, Half-sinusoidal shock 10 ms 9 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60089-227, Half-sinusoidal shock 10 ms 9 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60089-227, Half-sinusoidal shock 10 ms 9 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60089-227, Half-sinusoidal shock 10 ms 9 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60089-227, Half-sinusoidal shock 10 ms 9 g, N/O auxiliar	Fitted with: Ausiliary contact	Catalog Notes	Also tested according to AC-3e.
Fitted with: Auxiliary contact Auxiliary contact Mini Contactors for Motors and Resistive Loads Degree of protection Lifespan, mechanical 20,000,000 Operations 20,000 Operations 21,000 Operations 22,000 Operations 22,000 Operations 22,000 Operations 23,000 Operations 24,000 Operations 25,000 Operations 26,000 Operations 26,000 Operations 27,000 Operations 28,000 O	Fitted with: Ausiliary contact		
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Degree of protection Lifespan, mechanical 20,000,000 Operations 200,000 Operations 200,000 Operations 200,000 Operations (at 240 V, Oc. L/R = 50 ms: 2 contacts in series 0.5 A) Mounting position Operating frequency 9000 mechanical Operations/h Overvoltage category Prollution degree Product category Protection Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) Rated impulse withstand voltage (Uimp) Shock resistance Protection Shock resistance 10 g, N/O main contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/FN 80089-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/FN 80082-2-27, Half-sinusoidal shock 10 ms 3 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/FN 80082-2-27, Half-sinusoidal shock 10 ms 3 g, N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/FN 80082-2-27, Half-sinusoidal shock 10 ms 3 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/FN 80082-2-27, Half-sinusoidal shock 10 ms 3 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/FN 80082-2-27, Half-sinusoidal shock 10 ms 3 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/FN 80082-2-27, Half-sinusoidal shock 10 ms 3 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/FN 80082-2-27, Half-sinusoidal shock 10 ms 4 As montors with Elec/FN 80082-2-27, Half-sinusoidal shock 10 ms 4 As montors with auxiliary contact module, Mechanical, according to IEC/FN 80082-2-27, Half-sinusoidal shock 10 ms 4 As montors with auxiliary contact module, Mechanical, according to IEC/FN 80082-2-27, Half-sinusoidal shock 10 ms 4 As montors with auxiliary contact module, Mechanical, according to IEC/FN 80082-2-27, Half-si	Page of protection Page		
Lifespan, mechanical 20,000.000 Operations 200,000	Lifespan, mechanical 20,00,000 Operations (at 240 V, AC-15) 150,000 Operations (at 240 V, DC, L/R = 50 ms: 2 contacts in series 0.5 A) Mounting position As required (except vertical with terminals A1/A2 at the bottom) Operating frequency 9000 mechanical Operations/h Product category Product category Protection Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) Rated impulse withstand voltage (Uimp) Shock resistance Protection Shock resistance Protection Shock are sistance As a coording to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact. Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact. Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact. Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact. Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact. Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact. Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact. Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-4: Normal AC induction motors: starting, plugging, reversing, inchi	Application	Mini Contactors for Motors and Resistive Loads
200,000 Operations (at 240 V. AC-15) 150,000 Operations (at 240 V. DC, L/R = 50 ms: 2 contacts in series 0.5 A) Mounting position Operating frequency 9000 mechanical Operations/h Overvoltage category III Pollution degree 3 Product category Contactors Protection Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) Rated impulse withstand voltage (Uimp) 6000 V AC Shock resistance 10 g, N/O main contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 2 g, N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 8 g, N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 8 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 8 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 9 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 9 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 10 g, N/O main contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with au	200,000 Operations (at 240 V, AC-15) 150,000 Operations (at 240 V, DC, L/R = 50 ms: 2 contacts in series 0.5 A)	Degree of protection	IP20
Operating frequency Overvoltage category III Pollution degree 3 Product category Contactors Protection Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) Rated impulse withstand voltage (Uimp) Shock resistance Og, N/O main contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact m	Operating frequency Overvoltage category III Pollution degree 3 Product category Contactors Protection Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) Rated impulse withstand voltage (Uimp) Shock resistance Shock resistance Og N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxi	Lifespan, mechanical	200,000 Operations (at 240 V, AC-15)
Overvoltage category Pollution degree 3 Product category Contactors Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) Rated impulse withstand voltage (Uimp) Shock resistance 10 g, N/O main contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 8 g, N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 10 g, N/O main contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit without auxiliary contact module, Mechanical	Divervoltage category Pollution degree 3 Product category Contactors Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) Rated impulse withstand voltage (Uimp) Shock resistance Shock resistance 10 g, N/0 main contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/0 auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 8 g, N/0 auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 10 g, N/0 main contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60088-2-27, Half-sinusoidal shock 10 ms 20 g, N/0 auxiliary contact module, Section in the state of the section of the se	Mounting position	As required (except vertical with terminals A1/A2 at the bottom)
Product category Product category Contactors Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) Rated impulse withstand voltage (Uimp) Shock resistance Shock resistance furnaces Shock resistance Shock resistance Shock resistance furnaces Shock resistance Shock resistance furnaces	Product category Contactors Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) Rated impulse withstand voltage (Uimp) Shock resistance Shock resistance funders Shock resistance Shock resistance funders Shock resistance funders Shock resistance funders Shock resistance funders Shock resistance Shock resistance	Operating frequency	9000 mechanical Operations/h
Product category Protection Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) Rated impulse withstand voltage (Uimp) Shock resistance 10 g, N/0 main contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/0 auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 8 g, N/0 auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 10 g, N/0 main contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 10 g, N/0 main contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 m	Product category Product category Protection Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) Rated impulse withstand voltage (Uimp) Shock resistance 10 g, N/0 main contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/0 auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 8 g, N/0 auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 10 g, N/0 main contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock	Overvoltage category	III
Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) Rated impulse withstand voltage (Uimp) 6000 V AC Shock resistance 10 g, N/O main contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 8 g, N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 10 g, N/O main contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Suitable for Also motors with efficiency class IE3 Utilization category AC-3: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads, resistance furnaces	Frotection Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) Rated impulse withstand voltage (Uimp) 6000 V AC Shock resistance 10 g, N/0 main contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/0 auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 8 g, N/0 auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 10 g, N/0 main contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/2 auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/2 auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/2 auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Suitable for Also motors with efficiency class IE3 Utilization category AC-3: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads, resistance furnaces	Pollution degree	3
From from (EN 50274) Rated impulse withstand voltage (Uimp) 6000 V AC Shock resistance 10 g, N/O main contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 8 g, N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 10 g, N/O main contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary	Rated impulse withstand voltage (Uimp) 6000 V AC Shock resistance 10 g, N/O main contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 8 g, N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 10 g, N/O main contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxil	Product category	Contactors
Shock resistance 10 g, N/O main contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 8 g, N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 10 g, N/O main contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Suitable for Also motors with efficiency class IE3 Utilization category AC-3: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads, resistance furnaces	Shock resistance 10 g, N/O main contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 8 g, N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 10 g, N/O main contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Suitable for Also motors with efficiency class IE3 Utilization category AC-3: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads, resistance furnaces	Protection	
according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 8 g, N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 10 g, N/O main contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Suitable for Also motors with efficiency class IE3 Utilization category AC-3: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads, resistance furnaces	according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 8 g, N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 10 g, N/O main contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms Suitable for Also motors with efficiency class IE3 4C-3: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads, resistance furnaces	Rated impulse withstand voltage (Uimp)	6000 V AC
Utilization category AC-3: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads, resistance furnaces	Utilization category AC-3: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads, resistance furnaces	Shock resistance	according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 8 g, N/O auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 10 g, N/O main contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical,
AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads, resistance furnaces	AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads, resistance furnaces	Suitable for	Also motors with efficiency class IE3
Voltage type DC	Voltage type DC	Utilization category	AC-4: Normal AC induction motors: starting, plugging, reversing, inching
		Voltage type	DC

Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	50 °C
Ambient operating temperature (enclosed) - min	25 °C
Ambient operating temperature (enclosed) - max	40 °C
Ambient storage temperature - min	40 °C
Ambient storage temperature - max	80 °C
Climatic proofing	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
Terminal capacity (flexible with ferrule)	1 x (0.75 - 1.5) mm ² 2 x (0.75 - 1.5) mm ²
Terminal capacity (solid)	2 x (0.75 - 2.5) mm ² 1 x (0.75 - 2.5) mm ²
Terminal capacity (solid/stranded AWG)	18 - 14
Stripping length (main cable)	8 mm
Screw size	M3.5, Terminal screw
Screwdriver size	0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver
	2, Terminal screw, Pozidriv screwdriver
Tightening torque	1.2 Nm, Screw terminals
Rated breaking capacity at 220/230 V	90 A
Rated breaking capacity at 380/400 V	90 A
Rated breaking capacity at 500 V	64 A
Rated operational power at AC-3, 240 V, 50 Hz	2.5 kW
Rated operational power at AC-3, 380/400 V, 50 Hz	4 kW
Rated operational power at AC-3, 415 V, 50 Hz	4.3 kW
Rated breaking capacity at 660/690 V	42 A
Rated making capacity up to 440 V (cos phi to IEC/EN 60947)	110 A
Rated operational power at AC-4, 220/230 V, 50 Hz	1.5 kW
Rated operational power at AC-4, 240 V, 50 Hz	1.8 kW
Rated operational power at AC-4, 415 V, 50 Hz	3.1 kW
Rated operational power at AC-4, 440 V, 50 Hz	3.3 kW
Rated operational power at AC-4, 500 V, 50 Hz	3 kW
Rated operational power at AC-4, 660/690 V, 50 Hz	3 kW
Rated operational voltage (Ue) at AC - max	690 V
Rated insulation voltage (Ui)	690 V
Rated operational current (le)	2.5 A at 60 V, DC L/R \leq 15 ms (with 2 contacts in series) 1.5 A at 100 V, DC L/R \leq 15 ms (with 3 contacts in series) 2.5 A at 24 V, DC L/R \leq 15 ms (with 1 contact in series) 0.5 A at 220 V, DC L/R \leq 15 ms (with 3 contacts in series)
Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V	22 A
Rated operational current (Ie) at AC-15, 220 V, 230 V, 240 V	6 A
Rated operational current (Ie) at AC-15, 380 V, 400 V, 415 V	3 A
Rated operational current (Ie) at AC-15, 500 V	1.5 A
Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V	9 A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V	9 A
Rated operational current (Ie) at AC-3, 440 V	9 A
Rated operational current (Ie) at AC-3, 500 V	6.4 A
Rated operational current (Ie) at AC-3, 660 V, 690 V	4.8 A
Rated operational current (Ie) at AC-4, 220 V, 230 V, 240 V	6.6 A
Rated operational current (Ie) at AC-4, 440 V	6.6 A
Rated operational current (Ie) at AC-4, 500 V	5 A
Rated operational current (Ie) at AC-4, 660 V, 690 V	3.4 A
Rated operational current (Ie) at DC-1, 110 V	20 A
Rated operational current (le) at DC-1, 12 V	20 A
Rated operational current (le) at DC-1, 220 V	20 A
Rated operational current (Ie) at DC-1, 24 V	20 A
Rated operational current (Ie) at DC-1, 60 V	20 A

Safe isolation	300 V AC, Between the contacts, According to EN 61140 300 V AC, Between coil and auxiliary contacts, According to EN 61140 300 V AC, Between auxiliary contacts, According to EN 61140 300 V AC, Between coil and contacts, According to EN 61140
Short-circuit current rating (basic rating)	5 kA, SCCR (UL/CSA) 45 A, max. Fuse, SCCR (UL/CSA)
Short-circuit protection	6 A gG/gL, Max. Fuse 500V, Auxiliary contacts, Short-circuit rating without weldin 10 A fast, Max. Fuse 500V, Auxiliary contacts, Short-circuit rating without welding PKZM0-4, Maximum overcurrent protective device, Short-circuit protection only, Auxiliary contacts, Short-circuit rating without welding
Short-circuit protection rating (type 1 coordination) at 500 V	20 A gG/gL
Short-circuit protection rating (type 2 coordination) at 500 V	10 A gG/gL
Conventional thermal current ith (1-pole, enclosed)	40 A
Conventional thermal current ith (3-pole, enclosed)	16 A
Conventional thermal current ith at 55°C (3-pole, open)	19 A
Conventional thermal current ith of auxiliary contacts (1-pole, open)	10 A
Conventional thermal current ith of main contacts (1-pole, open)	50 A
Switching capacity (main contacts, general use)	15 A, Maximum motor rating (UL/CSA)
Switching capacity (auxiliary contacts, general use)	0.5 A, 250 V DC, (UL/CSA) 10 A, 600 V AC, (UL/CSA)
Switching capacity (auxiliary contacts, pilot duty)	P300, DC operated (UL/CSA) A600, AC operated (UL/CSA)
Arcing time	12 ms at 690 V AC
Changeover time	40 - 50 ms
Duty factor	100 %
Pick-up voltage	0.8 - 1.1 V DC x Uc
Power consumption	Smoothed DC voltage or three-phase bridge rectifier 2.3 VA/W at DC (Pick-up/Sealing power)
Rated control supply voltage (Us) at AC, 50 Hz - min	0 V
Rated control supply voltage (Us) at AC, 50 Hz - max	0 V
Rated control supply voltage (Us) at AC, 60 Hz - min	0 V
Rated control supply voltage (Us) at AC, 60 Hz - max	0 V
Rated control supply voltage (Us) at DC - min	24 V
Rated control supply voltage (Us) at DC - max	24 V
Switching time (AC operated, N/O, with auxiliary contact module, closing	70 ms
delay)	70113
Switching time (DC operated, make contacts, closing delay) - min	26 ms
Switching time (DC operated, make contacts, closing delay) - max	35 ms
Switching time (DC operated, make contacts, opening delay) - min	15 ms
Switching time (DC operated, make contacts, opening delay) - max	25 ms
Assigned motor power at 115/120 V, 60 Hz, 1-phase	0.5 HP
Assigned motor power at 200/208 V, 60 Hz, 3-phase	2 HP
Assigned motor power at 230/240 V, 60 Hz, 1-phase	1.5 HP
Assigned motor power at 230/240 V, 60 Hz, 3-phase	3 HP
Assigned motor power at 460/480 V, 60 Hz, 3-phase	5 HP
Assigned motor power at 575/600 V, 60 Hz, 3-phase	5 HP
Control circuit reliability	$<$ 2 $\lambda,$ $<$ 1 failure at 100,000,000 Operations (at U# = 24 V DC, Umin = 17 V, Imin = 5. mA)
Number of auxiliary contacts (normally closed contacts)	0
Number of auxiliary contacts (normally open contacts)	1
Number of contacts (normally open contacts)	1
Equipment heat dissipation, current-dependent Pvid	0.9 W
Heat dissipation capacity Pdiss	0 W

Heat dissipation per pole, current-dependent Pvid	0.3 W
Rated operational current for specified heat dissipation (In)	9 A
Static heat dissipation, non-current-dependent Pvs	2.3 W
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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.
10.9.2 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 b observed.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 8.0

Low-voltage industrial components (EG000017) / Power contactor, AC switching (EC000066) Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) / Power contactor, AC switching (ecl@ss10.0.1-27-37-10-03 [AAB718015]) Rated control supply voltage Us at AC 50HZ ٧ 0 - 0 Rated control supply voltage Us at AC 60HZ 0 - 0 Rated control supply voltage Us at DC 24 - 24 DC Voltage type for actuating Rated operation current le at AC-1, 400 V 22 Α 9 Rated operation current le at AC-3, 400 V Α kW Rated operation power at AC-3, 400 V 4 Rated operation current le at AC-4, 400 V Α 6.6 kW Rated operation power at AC-4, 400 V 3 Rated operation power NEMA kW 3.7 Modular version No 1 Number of auxiliary contacts as normally open contact 0 Number of auxiliary contacts as normally closed contact Type of electrical connection of main circuit Screw connection Number of normally closed contacts as main contact 0 3 Number of normally open contacts as main contact