## Contactor relay, 24 V 50 Hz, 4 N/O, Screw terminals, AC operation



Part no. DILA-40(24V50HZ)

276316

EL Number 4130201

(Norway)

General specifications	
Product name	Eaton Moeller® series DILA Control Relay
Part no.	DILA-40(24V50HZ)
EAN	4015082763169
Product Length/Depth	75 millimetre
Product height	68 millimetre
Product width	45 millimetre
Product weight	0.24 kilogram
Compliances	CE Marked
Certifications  Product Tradename	IEC 60947-4-1 EN 60947-4-1 UL 508 CSA Std. C22.2 No. 14-05 VDE CSA CSA File No.: 012528 CSA Class No.: 3211-03 CSA-C22.2 No. 14-05 UL IEC/EN 60947 VDE 0660 IEC/EN 60947-4-1 UL Category Control No.: NKCR EN 60947-5-1 UL File No.: E29184 CE
Product Type Product Sub Type	Control Relay
Catalog Notes	None  Coil terminal markings according to EN 50005
Features & Functions	Contact numbers according to EN 50011 Rated operational current: Switch-on and switch-off conditions based on DC-13, time constant as specified.
Features	Positive operating contacts to EN 60947-5-1 appendix L, including auxiliary contact module
Fitted with:	Positive operation contacts
General information	
Application	Contactor relays
Degree of protection	IP20
Shock resistance	5 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 7 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms
Lifespan, mechanical	20,000,000 Operations (AC operated)
Mounting method	DIN rail
Operating frequency	9000 Operations/h
Overvoltage category	III
Pollution degree	3
Product category	DILA relays
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
Voltage type	AC
Climatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	60 °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	9° C
Climatic proofing	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
Terminal capacities	
Terminal capacity (flexible with ferrule)	1 x (0.75 - 2.5) mm², Screw terminals 2 x (0.75 - 2.5) mm², Screw terminals
Terminal capacity (solid)	1 x (0.75 - 4) mm², Screw terminals 2 x (0.75 - 2.5) mm², Screw terminals
Terminal capacity (solid/stranded AWG)	18 - 14, Screw terminals
Stripping length (main cable)	10 mm
Screw size	M3.5, Terminal screw
Screwdriver size	$0.8 \times 5.5/1 \times 6$ mm, Terminal screw, Standard screwdriver 2, Terminal screw, Pozidriv screwdriver
Tightening torque	1.2 Nm, Screw terminals
Electrical rating	
Conventional thermal current ith at 60°C (3-pole, open)	16 A
Rated operational current (le)	2 A at 110 V, DC L/R $\leq$ 50 ms (with 3 contacts in series) 10 A at 60 V, DC L/R $\leq$ 15 ms (with 2 contacts in series) 5 A at 220 V, DC L/R $\leq$ 15 ms (with 3 contacts in series) 4 A at 60 V, DC L/R $\leq$ 50 ms (with 3 contacts in series) 6 A at 60 V, DC L/R $\leq$ 15 ms (with 1 contact in series) 4 A at 24 V, DC L/R $\leq$ 15 ms (with 1 contact in series) 3 A at 110 V, DC L/R $\leq$ 50 ms (with 3 contacts in series) 1 A at 220 V, DC L/R $\leq$ 50 ms (with 1 contact in series) 1 A at 24 V, DC L/R $\leq$ 15 ms (with 1 contact in series) 10 A at 24 V, DC L/R $\leq$ 15 ms (with 1 contact in series) 6 A at 110 V, DC L/R $\leq$ 15 ms (with 3 contacts in series) 1 A at 220 V, DC L/R $\leq$ 15 ms (with 1 contact in series) 1 A at 220 V, DC L/R $\leq$ 15 ms (with 1 contact in series) 16 A
Rated operational current (le) at AC-15, 220 V, 230 V, 240 V	4 A
Rated operational current (le) at AC-15, 380 V, 400 V, 415 V	4 A
Rated operational current (le) at AC-15, 500 V	1.5 A
Rated insulation voltage (Ui)	690 V
Rated operational voltage (Ue) at AC - max	690 V
Short-circuit protection rating without welding	10 A gG/gL, 500 V, Max. Fuse, Contacts
Safe isolation	400 V AC, Between coil and auxiliary contacts, According to EN 61140 400 V AC, Between auxiliary contacts, According to EN 61140
Switching capacity (auxiliary contacts, general use)  Switching capacity (auxiliary contacts, pilot duty)	1 A, 250 V DC, (UL/CSA) 15 A, 600 V AC, (UL/CSA) P300, DC operated (UL/CSA)
	A600, AC operated (UL/CSA)
Magnet system	
Duty factor	100 %
Pick-up voltage	0.8 - 1.1 V AC x Uc (voltage tolerance - single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz)
Power consumption, pick-up, 50 Hz	24 VA, AC, Single-frequency coil 50 Hz and Dual-frequency coil 50/60 Hz
Power consumption, pick-up, 60 Hz	24 VA, AC, Single-frequency coil 50 Hz and Dual-frequency coil 50/60 Hz
Power consumption, sealing, 50 Hz	3.4 VA, AC, Single-frequency coil 50 Hz and Dual-frequency coil 50/60 Hz 1.4 W, AC, Single-frequency coil 50 Hz and Dual-frequency coil 50/60 Hz
Power consumption, sealing, 60 Hz	1.4 W, AC, Single-frequency coil 50 Hz and Dual-frequency coil 50/60 Hz
Rated control supply voltage (Us) at AC, 50 Hz - min	24 V
Rated control supply voltage (Us) at AC, 50 Hz - max	24 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	0 V
Rated control supply voltage (Us) at DC - max	0 V
Switching time (AC operated, make contacts, closing delay) - min	15 ms
Switching time (AC operated, make contacts, closing delay) - max	21 ms
Switching time (AC operated, make contacts, opening delay) - min	9 ms
Switching time (AC operated, make contacts, opening delay) - max	18 ms
Communication	

mail	Connection	Screw
Control circuit reliability  Control circuit reliability  Number of auxiliary centacts (change-over contacts)  Number of contacts (normally closed contacts)  Number of contacts (normally closed contacts)  Number of contacts (normally copen contacts)  Number of contacts (normally copen contacts)  Number of outility contacts (normally closed contacts)  Number of outility contacts (normally closed contacts)  Number of auxiliary contacts (normally open contacts)  Number of auxiliary contacts (normally open contacts)  Number of outility contacts (normally open contacts)  Design verification  Equipment heat dissipation, current-dependent Pvid  Number of auxiliary contacts (normally open contacts)  Number of auxiliary conta	Connection to SmartWire-DT	No
Control circuit reliability  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (change-over contacts)  Number of contacts (normally closed contacts)  Number of contacts (normally closed contacts)  Number of auxiliary contacts (normally open contacts)  Number of auxiliary contacts (normally open contacts)  Number of auxiliary contacts (normally open contacts)  Posign verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Heat dissipation capacity Pdiss  Heat dissipation propol, current-dependent Pvid  10.23 Corresion resistance  Neets the groduct standard's requirements.  10.23.1 Verification of thermal stability of enclosures  10.23.2 Verification of thermal stability of enclosures  10.23.2 Verification of resistance of insulating materials to normal heat  10.23.3 Resist of insul, mat, to abnormal heat/fire by internal elect, effects  10.24.4 Resistance to ultra-violet (UV) radiation  10.25 Lifting  10.26 Mechanical impact  10.27 Inscriptions  10.28 percention against electric shock  10.3 Incerporation of assemblies  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incerporation of switching devices and components  10.8 Connections for external conductors  10.9 Reproduct standard's requirements.  10.9 Protection against electric shock  10.9 Incerporation of switching devices and components  10.9 Reproduct standard's requirements.  10.9 Protection against electric shock  10.9 Incerporation of switching devices and components  10.9 Reproduct standard's repuirements.  10.9 Reproduct standard's repuirements.  10.1 Internal electrical circuits and connections  1 Is the panel builder's responsibility.  1 Is the panel builder's responsibility. The specifications for the switchear needs to be availuated.  10.13 Mechanical function  10.13 Mechan	Contacts	
max	Code number	40D
Number of contacts (normally closed contacts)  Number of contacts (normally open contacts)  Number of auxiliary contacts (normally closed contacts)  Obsign verification  Equipment heat dissipation, current-dependent Pvid  OW  Heat dissipation, current-dependent Pvid  OW  Rated operational current for specified heat dissipation (in)  Static heat dissipation, non-current-dependent Pvid  OZ SW  Rated operational current for specified heat dissipation (in)  15.5 A  Static heat dissipation, non-current-dependent Pvs  10.22 Corrosion resistance  10.23.1 Verification of thermal stability of enclosures  10.23.2 Verification of thermal stability of enclosures  10.23.3 Resist of insul. mat. to abnormal heat/fire by internal elect. effects  10.24.4 Resistance to ultra-violet (UV) radiation  10.25 Lifting  Obes not apply, since the entire switchgear needs to be evaluated.  10.2.3 Descriptions  Meets the product standard's requirements.  10.2.4 Resistance to ultra-violet (UV) radiation  10.2 Benchaincal impact  Obes not apply, since the entire switchgear needs to be evaluated.  10.2 Benchaincal impact  Obes not apply, since the entire switchgear needs to be evaluated.  10.4 Discriptions  Meets the product standard's requirements.  10.5 Protection against electric shock  Obes not apply, since the entire switchgear needs to be evaluated.  10.6 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Connections fo	Control circuit reliability	$<$ 2 $\lambda_{r}<$ 1 failure at 100,000,000 Operations (at U# = 24 V DC, Umin = 17 V, Imin = 5.4 mA)
Number of contacts (normally open contacts)  Number of auxiliary contacts (normally closed contacts)  Number of auxiliary contacts (normally closed contacts)  Pesign verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation, current-dependent Pvid  Heat dissipation, per pole, current-dependent Pvid  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  Rated operational current for specified heat dissipation (In)  15.5 A  Static heat dissipation, non-current-dependent Pvid  Rated operational current for specified heat dissipation (In)  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  10.2.3.8 Resist of insul. mat. to abnormal heat/line by internal elect. effects  Meets the product standard's requirements.  10.2.5 Lifting  Does not apply, since the entire switchgear needs to be evaluated.  10.2.5 Inscriptions  Meets the product standard's requirements.  10.3.0 Egree 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 Encorporation 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.  10.3 Protection against electric strength  10.4 Electromagnetic ordepath light is strengen builder's responsibility.  10.5 Protection against electric strength  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Internal electrical circuits and connections  10.9 Protection against electric strength  10.9 Protection against ele	Number of auxiliary contacts (change-over contacts)	0
Number of auxiliary contacts (normally closed contacts)  Number of auxiliary contacts (normally open contacts)  Design werification  Equipment heat dissipation, current-dependent Pvid  Neat dissipation capacity Pdiss  Neat dissipation capacity Pdiss  Neat dissipation op pole, current-dependent Pvid  Neat dissipation propole, current-dependent Pvid  Neat dissipation, non-current-dependent Pvid  Neat dissipation, non-current-dependent Pvs  Neat dissipation, non-current-dependent Pvs  Neat dissipation or resistance  Neets the product standard's requirements.  Neets the product standard's re	Number of contacts (normally closed contacts)	0
Number of auxiliary contacts (normally open contacts)  Design verification  Equipment heat dissipation, current-dependent Pvid 0W  Heat dissipation capacity Pdiss 0W  Rated operational current for specified heat dissipation (In) 15.5 A  Static heat dissipation, non-current-dependent Pvid 0.5 W  Rated operational current for specified heat dissipation (In) 15.5 A  Static heat dissipation, non-current-dependent Pvid 1.4 W  10.22 Corrosion resistance Meets the product standard's requirements.  10.23.1 Verification of thermal stability of enclosures Meets the product standard's requirements.  10.23.2 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements.  10.24.2 Resistance to ultra-violet (UV) radiation Meets the product standard's requirements.  10.25. 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 A Testing of enclosures made of insulating material Is the panel builder's responsibility.  10.9 Thermal responsibility. The specifications for the switc observed.  10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switc observed.  10.13 Mechanical function The device meets the requirements, provided the information in the	Number of contacts (normally open contacts)	4
Design verification  Equipment heat dissipation, current-dependent Pvid 0 W  Heat dissipation capacity Pdiss 0 W  Heat dissipation per pole, current-dependent Pvid 0,5 W  Rated operational current for specified heat dissipation (In) 15.5 A  Static heat dissipation, non-current-dependent Pvis 1.4 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 Des not apply, since the entire switchepar needs to be evaluated.  10.2.6 Mechanical impact Does not apply, since the entire switchepar 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 switchepar needs to be evaluated.  10.5 Protection against electric shock Does not apply, since the entire switchepar needs to be evaluated.  10.6 Incorporation of switching devices and components Does not apply, since the entire switchepar 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.  10.9.4 Testing of enclosures made of insulating material Is the panel builder's responsibility.  10.9.4 Testing of enclosures made of insulating material Is the panel builder's responsibility.  10.11 Short-circuit rating Is the panel builder's responsibility.  10.12 Electromagnetic compatibility Is specifications for the switc observed.  10.13 Mechanical function The device meets the requirements, provided the information in the observed.	Number of auxiliary contacts (normally closed contacts)	0
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Heat dissipation capacity Pdiss  Description of the product standard's requirements.  Heat dissipation, non-current-dependent Pvid  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  1.4 W  10.22 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  10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Resistance to ultra-violat (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.  10.3 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.  10.9.2 Power-frequency electric strength  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  The panel builder's responsibility.  10.11 Short-circuit rating  Lis the panel builder's responsibility.  10.12 Electromagnetic compatibility  Lis the panel builder's responsibility. The specifications for the switc observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the	Design verification	
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Static heat dissipation, non-current-dependent Pvs  1.4 W  10.2.2 Corrosion resistance  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.2 Verification of thermal stability of enclosures  10.2.3.2 Resistance of insulating materials to normal heat  10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  10.2.5 Lifting  10.2.6 Mechanical impact  10.2.7 Inscriptions  10.3 Degree of protection of assemblies  10.3 Degree of protection of assemblies  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Power-frequency electric strength  10.9.1 Testing of enclosures made of insulating material  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.13 Mechanical function  10.13 Mechanical function  10.13 Mechanical function  10.14 W  Meets the product standard's requirements.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Some the entire switchgear needs to be evaluated.  Some the entire switchgear needs to be evaluated.  Some not apply, since the entire switchgear needs to be evaluated.  Some not apply, since the entire switchgear needs to be evaluated.  Some not apply, since the entire switchgear needs to be evaluated.  Some not apply, since the entire switchgear needs to be evaluated.  Some not apply, since the entire switchgear needs to be evaluated.  Some not apply, since the entire switchgear needs to be evaluated.  Some not apply, since the entire switchgear needs to be evaluated.  Some not	Heat dissipation per pole, current-dependent Pvid	0.5 W
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10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.2 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.13 Mechanical function 10.2.1 Internal electrical function 10.3 Degree of protection of switching devices and components 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 In the panel builder's responsibility. 10.9 Power-frequency electric strength 10.9 In the panel builder's responsibility. 10.9 In the panel builder's responsibility. 10.9 In the panel builder's responsibility. 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Mechanical function 10.15 Mechanical function 10.16 Methanical function 10.17 Mechanical function 10.18 Mechanical function 10.19 The device meets the requirements, provided the information in the	Static heat dissipation, non-current-dependent Pvs	1.4 W
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10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  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.  10.2.7 Inscriptions  Meets the product standard's requirements.  10.3 Degree of protection of assemblies  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  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9.9 Power-frequency electric strength  10.9.1 Inpulse withstand voltage  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  The panel builder's responsibility.  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  The device meets the requirements, provided the information in the	10.2.3.1 Verification of thermal stability of enclosures	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.  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.  10.9.2 Power-frequency electric strength  Is the panel builder's responsibility.  10.9.3 Impulse withstand voltage  Is the panel builder's responsibility.  10.10 Temperature rise  The panel builder's responsibility.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switc observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switc observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the	10.2.3.2 Verification of resistance of insulating materials to normal heat	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.  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.  10.9.3 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's responsibility. The specifications for the switch observed.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switch observed.  10.12 Electromagnetic compatibility  The device meets the requirements, provided the information in the	10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product standard's requirements.
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10.2.7 Inscriptions  10.3 Degree of protection of assemblies  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  In the panel builder's responsibility.	10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
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10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  1 Is the panel builder's responsibility.  1 Is the panel builder's responsibility.  1 Is the panel builder is responsibility.  1 Is the panel builder is responsibility.  1 Is the panel builder is responsibility.  1 Is the panel builder's responsibility. The specifications for the switce observed.  1 Is the panel builder's responsibility. The specifications for the switce observed.  1 Is the panel builder's responsibility. The specifications for the switce observed.  1 Is the panel builder's responsibility. The specifications for the switce observed.  1 Is the panel builder's responsibility. The specifications for the switce observed.  1 Is the panel builder's responsibility. The specifications for the switce observed.	10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
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10.10 Temperature rise  The panel builder is responsible for the temperature rise calculation provide heat dissipation data for the devices.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switce observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switce observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the	10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
provide heat dissipation data for the devices.  10.11 Short-circuit rating  1s the panel builder's responsibility. The specifications for the switce observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switce observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the	10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switc observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the	10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
observed.  10.13 Mechanical function The device meets the requirements, provided the information in the	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.
Idulity (IE) is 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) / Contactor relay (EC000196)				
Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) / Contactor relay (ecl@ss10.0.1-27-37-10-01 [AAB716014])				
Rated control supply voltage Us at AC 50HZ	V	V 24 - 24		
Rated control supply voltage Us at AC 60HZ	V	V 0-0		
Rated control supply voltage Us at DC	V	V 0-0		
Voltage type for actuating		AC		
Rated operation current le, 400 V	А	A 4		
Connection type auxiliary circuit		Screw connection		
Mounting method		DIN rail		
Interface		No		
Number of auxiliary contacts as normally closed contact		0		
Number of auxiliary contacts as normally open contact		4		
Number of auxiliary contacts as normally closed contact, delayed switching		0		

Number of auxiliary contacts as normally open contact, leading	0
Number of auxiliary contacts as change-over contact	0
With LED indication	No
Suitable for manual operation	No