## Top-hat rail adapter for hinged inspection window for the control relay's flush-mounting plates



Part no. SKF-HA 233782

4520982

EL Number (Norway)

Fonduct name Fonduct name Fonduct name Fonduct name Fonduct caequit Despit Fonduct caequit Despit Fonduct caequit Despit Fonduct relapit Fonduct sub repeature Fonduct sub relative Fonduct sub repeature Fonduct sub relative Fo	(Norway)	
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EAN 401508237827 Product Length (Papth	Product name	Eaton Moeller® series EASY Accessory Top-hat rail adapter
Product Length/Depth Product Vesight Product Vesight Product vesight Product vesight Product vesight Product vesight Product Tradaman Product Sub Type Product Tradaman Product seapory Control relay easyfeliay Climatic environmental conditions Product capacity Climatic environmental conditions Ambient operating temperature—max Product Sub Type P	Part no.	SKF-HA
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Certifications Product Tradename EASY Product Tradename Top-hot and adapter Product Stan Type Central information Product category Cimatic environmental Conditions Ambient operating temperature - max Ambient operating temperature - max Ambient operating temperature - max Move of the product Standard of a requirements.  **Batic head dissipation, on-current-dependent Prod **Batic head dissipation on thermal stability of enclosures **Batic head dissipation on the maximum stability of enclosures **Batic head dissipation on the maximum stability of enclosures **Batic head dissipation on the maximum stability of enclosures **Batic head dissipation on the maximum stability of enclosures **Batic head dissipation on the maximum stability of enclosures **Batic head dissipation on the maximum stability of enclosures **Batic head dissipation on the maximum stability of enclosures **Batic head dissipation on the maximum stability of enclosures **Batic head dissipation on the maximum stability of enclosures **Batic head dissipation on the maximum stability of enclosures **Batic head dissipation on the maximum stability of enclosures **Batic head dissipation on the maximum stability of enclosures **Batic head dissipation on the maximum stability of enclosures **Batic head dissipation on the maximum stability of enclosures **Batic head dissipation on the maximum stability of enclosures **Batic head dissipation stability of enclosures **Batic head dissipa	Product width	11 millimetre
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Product Type Product Sub Type General information Product caregory Cimatic environmental conditions Ambient operating temperature - min Heat dissipation operating temperature - min Heat dissipation expectly Pdies Heat dissipation per pole, current-dependent Pvid Heat dissipation per pole, current-dependent Pvid Heat dissipation per pole, current-dependent Pvid Natice head dissipation, non-current-dependent Pvid Natice head dissipation, non-current-dependent Pvis  10.2.1 Verification of thermal stability of anciesure Nests the product standard's requirements.  10.2.2 Verosion resistance Meets the product standard's requirements.  10.2.2.3 Resistance to wither-violet (IVV) radiation Nests the product standard's requirements.  10.2.4 Resistance to wither-violet (IVV) radiation Nests the product standard's requirements.  10.2.5 Nests the product standard's requirements.  10.2.6 Nechanical 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 Meets the product standard's requirements.  10.4 Dearances and crospage 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 Recognization of switching devices and components Does not apply, since the entire switchgear needs to be evaluated.  10.7 Instrend electrical circuits and connections 10.8 Recomeration of switching devices and components 10.9	Certifications	UL/CSA certification not required
Product Sub Type  General information  Product category  Climatic environmental conditions  Ambient operating temperature - min  Ambient operating temperature - max  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation per pole, current-dependent Pvid  Divident dissipation, current-dependent Pvid  Divident dissipation per pole, current-dependent Pvid  Divident dissipation dissipation distor per pole, current-dependent Pvid  Dividen	Product Tradename	EASY
Gineral information Product category Cimatic environmental conditions Ambient operating temperature - min Anbient operating temperature - min Anbient operating temperature - min Equipment heat dissipation, current dependent Pvid Western dissipation per pole, current for specified heat dissipation of thermal stability of enclosures  10.2.2.3 Verification of thermal stability of enclosures  10.2.5 Mechanical impact  10.2.5 Mechanical impact  10.2.5 Mechanical impact  10.2.6 Mechanical impact  10.2.7 Inscriptions  10.8 Inscriptions  10.9 Protection of assemblies  10.9 Protection opainst electric dicruits and connections  10.9 Protection opainst electric shock  10.9 Inscription of switching devices and components  10.9 Termanal electrical circuits and connections  10.9 Termanal electrical circuits and connections  10.9 Termanal electrical circuits and connections	Product Type	Accessory
Product catagory  Climatic environmental conditions  Ambient operating temperature - max  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Heat dissipation non-current or specified heat dissipation (II)  Straic heat dissipation, non-current-dependent Pvid  Du  Straic heat dissipation, non-current-dependent Pvid  Du  10.2.2 Corrosion resistance  10.2.3.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  10.2.2.2 Verification of sestance of insulating materials to normal heat  10.2.3.2 Resistance of insulating materials to normal heat  10.2.3.3 Resistance of insulating materials to mark heat  10.2.4.3 Resistance to ultra-violet (UV) radiation  10.2.5 Litting  Des not apply, since the entire switchgear needs to be evaluated.  10.2.5 Inscriptions  Meets the product standard's requirements.  10.2.6 Mechanical impact  Des not apply, since the entire switchgear needs to be evaluated.  10.2.7 Inscriptions  Meets the product standard's requirements.  10.2 Power-tens and croepage distances  Meets the product standard's requirements.  Meets the product standard's requirements.	Product Sub Type	Top-hat rail adapter
Climatic environmental conditions  Ambient operating temperature - min Ambient operating temperature - min Ambient operating temperature - max  5° °C  Design verification  Equipment heat dissipation, current-dependent Pvid  0 W  Heat dissipation per pole, current-dependent Pvid  0 W  Rated operational current for specified heat dissipation (in)  Rated operations of its description (in)  Rated operation of its ment at data of a requirements.  Meets the product standard's requirements.  Rest t	General information	
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Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Read dissipation per pole, current-dependent Pvid  Read dissipation per pole, current-dependent Pvid  Read dissipation per pole, current-dependent Pvid  Read dissipation, non-current-dependent Pvis  10.2 Corrosion resistance  10.2.3.1 Verification or frestrance  10.2.3.1 Verification or frestrance  10.2.3.2 Verification or frestrance  10.2.3.2 Verification or frestrance or insulating materials to normal heat  10.2.3.2 Verification or frestrance or 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  10.2.6 Mechanical impact  10.2.7 Inscriptions  10.8 Degree of protection of assemblies  10.9 Dees not apply, since the entire switchgear needs to be evaluated.  10.9 Dees not apply, since the entire switchgear needs to be evaluated.  10.5 Frotection against electric shock  10.5 Internal electrical circuits and connections  10.6 Incorporation of switching devices and components  10.6 Roncoproration of switching devices and components  10.8 Connections for external conductors  10.9 Power-frequency electric strength  10.9 Power-frequency electric strength  10.9 Power-frequency electric strength  10.9 Internal electrical circuits and connections  10.1 Internal electrical circuits and connections  10.1 Internal electrical circuits and conn	Climatic environmental conditions	
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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  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder is responsibility.  Is the panel builder's responsibility.  The device meets the requirements, provided the information in the instruction	10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
Meets the product standard's requirements.  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  10.92 Power-frequency electric strength  10.93 Impulse withstand voltage  10.94 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.  Is the panel builder's responsibility.  Is the panel builder is responsibility.  Is the panel builder is responsibility.  Is the panel builder's responsibility.  The panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  The panel builder's responsibility.  Is the panel builder's responsibility.  The device meets the requirements, provided the information in the instruction	10.2.7 Inscriptions	Meets the product standard's requirements.
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  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.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  The panel builder's responsibility.  Is the panel builder is responsibile for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  The device meets the requirements, provided the information in the instruction	10.3 Degree of protection of assemblies	Meets the product standard's requirements.
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  10.14 Mechanical function  10.15 Mechanical function  10.16 Temperature switchgear needs to be evaluated.  11.18 the panel builder's responsibility.  12.19 Is the panel builder's responsibility.  13.10 Temperature rise  14.11 Short-circuit rating  15.12 Electromagnetic compatibility  16.13 Mechanical function  17.15 The device meets the requirements, provided the information in the instruction	10.4 Clearances and creepage distances	Meets the product standard's requirements.
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  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.14 We panel builder's responsibility.  10.15 We panel builder's responsibility.  10.16 The panel builder's responsibility.  10.17 We panel builder's responsibility.  10.18 We panel builder's responsibility.  10.19 The panel builder's responsibility.  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.14 We panel builder's responsibility.  10.15 We panel builder's responsibility.  10.16 We panel builder's responsibility.  10.17 We device meets the requirements, provided the information in the instruction	10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
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  Is the panel builder's responsibility.  Is the panel builder's responsibility.  The panel builder is responsibile for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  The device meets the requirements, provided the information in the instruction	10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
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  Is the panel builder's responsibility.  Is the panel builder is responsibile for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  The device meets the requirements, provided the information in the instruction	10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
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  Is the panel builder's responsibility.  The panel builder is responsibile for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  The device meets the requirements, provided the information in the instruction	10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  The panel builder is responsibility.  The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  Is the panel builder's responsibility.  The device meets the requirements, provided the information in the instruction	10.9.2 Power-frequency electric strength	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.  10.12 Electromagnetic compatibility  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
provide heat dissipation data for the devices.  10.11 Short-circuit rating Is the panel builder's responsibility.  10.12 Electromagnetic compatibility Is the panel builder's responsibility.  10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
10.12 Electromagnetic compatibility Is the panel builder's responsibility.  10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.10 Temperature rise	
10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.11 Short-circuit rating	Is the panel builder's responsibility.
	10.12 Electromagnetic compatibility	Is the panel builder's responsibility.
	10.13 Mechanical function	

## Technical data ETIM 9.0

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Programmable logic controllers PLC (EG000024) / Accessories/spare parts for controls (EC002584)		
Electric engineering, automation, process control engineering / Display and control component / Panel (HMI) / Panel (HMI, accessories) (ecl@ss13-27-33-02-92 [AFX005008])		
Type of electrical accessory/spare part	Other	
Type of mechanical accessory/spare part	Cover	
Accessory	Yes	
Spare part	No	