DATASHEET - MDB-BI-7647/SKAP/DIN/DRBM-50-3



Distribution board BI-7647 Package without metering application

Part no. MDB-BI-7647/SKAP/DIN/DRBM-50-3

Catalog No. 180437

EL-Nummer (Norway)

1728162



Design verification as per IEC/EN 61439

Design vernication as per 126/218 01453			
Technical data for design verification			
Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890			
Individual enclosure for wall mounting	P_V	W	61
Starting enclosure for wall mounting	P_V	W	59
Middle enclosure for wall mounting	P_V	W	56
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890			
Individual enclosure for wall mounting	P_V	W	123
Starting enclosure for wall mounting	P_V	W	118
Middle enclosure for wall mounting	P_V	W	113
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Not relevant to indoor installations.
10.2.5 Lifting			Does not apply to enclosures without lifting aids.
10.2.6 Mechanical impact			IK08
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			IP30
10.4 Clearances and creepage distances			Is the panel builder's responsibility.
10.5 Protection against electric shock			$<$ 0.1 $\Omega;$ meets the product standard's requirements.
10.6 Incorporation of switching devices and components			Is the panel builder's responsibility.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			U _i = 1890 V AC
10.9.3 Impulse withstand voltage			2.5 kV
10.9.4 Testing of enclosures made of insulating material			Does not apply to metal enclosures.
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 switch gear must be observed. $\label{eq:specification}$
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function			Meets the product standard's requirements.

Technical data ETIM 7.0

Distribution boards (EG000023) / Small distribution board (EC000214)

Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Small distribution board (eci@ss10.0.1-27-14-24-09 [ACN387011])

(eci@ss10.0.1-27-14-24-09 [ACN387011])	
Mounting method	Surface mounted (plaster)
Number of rows	5
Width in number of modular spacings	20

Cover model Closed Transparent cover/door No Material housing Steel Height mm 220 Width mm 475 Depth mm 765 Built-in depth mm 212 Internal depth mm 210 DIN-rail yes Yes With mounting plate No No Extension possible No No Extension possible No Yes Colour No Yes RAL-number Mite Mite Degree of protection (IP) Mite 1930 With lock No 1930				
Transparent cover/door No Material housing Steel Height mm 220 Width 475 Depth mm 765 Built-in depth mm 212 Internal depth mm 210 DIN-rail Yes With mounting plate No Extension possible No Extension possible No Colour Yes Golour White RAL-number 9016 Degree of protection (IP) IP30 With lock No	Type of cover			Door
Material housing Steel Height mm 220 Width mm 475 Depth mm 765 Built-in depth mm 212 Internal depth mm 210 DIN-rail Yes No Extension possible No No Extension possible No Yes Colour Yes Yes Colour White White RAL-number 9016 P30 Degree of protection (IP) IP30 No With lock No No	Cover model			Closed
Height mm 220 Width mm 475 Depth mm 765 Built-in depth mm 212 Internal depth mm 210 DIN-rail Yes With mounting plate No No Extension possible No Yes EMC-version Yes White Colour White White RAL-number 9016 P30 Degree of protection (IP) P30 With lock No No	Transparent cover/door			No
Width mm 475 Depth mm 765 Built-in depth mm 212 Internal depth mm 210 DIN-rail Yes With mounting plate No Extension possible No EMC-version Yes Colour White RAL-number White Degree of protection (IP) IP30 With lock No	Material housing			Steel
Depth mm 765 Built-in depth mm 212 Internal depth mm 210 DIN-rail Yes With mounting plate No Extension possible No EMC-version Yes Colour White RAL-number White Degree of protection (IP) P30 With lock No	Height	ı	mm	220
Built-in depth mm 212 Internal depth mm 210 DIN-rail Yes With mounting plate No Extension possible No EMC-version Colour RAL-number Degree of protection (IP) White With lock No EMC Serversion Server	Width	ı	mm	475
Internal depth DIN-rail With mounting plate Extension possible EMC-version Colour RAL-number Degree of protection (IP) With lock DIN-rail PM 210 Yes No No No No White White HOD PS 100 100 100 100 100 100 100	Depth	ı	mm	765
DIN-railYesWith mounting plateNoExtension possibleNoEMC-versionYesColourWhiteRAL-number9016Degree of protection (IP)IP30With lockNo	Built-in depth	ı	mm	212
With mounting plateNoExtension possibleNoEMC-versionYesColourWhiteRAL-number9016Degree of protection (IP)IP30With lockNo	Internal depth	ı	mm	210
Extension possibleNoEMC-versionYesColourWhiteRAL-number9016Degree of protection (IP)IP30With lockNo	DIN-rail			Yes
EMC-versionYesColourWhiteRAL-number9016Degree of protection (IP)IP30With lockNo	With mounting plate			No
ColourWhiteRAL-number9016Degree of protection (IP)IP30With lockNo	Extension possible			No
RAL-number 9016 Degree of protection (IP) IP30 With lock No	EMC-version			Yes
Degree of protection (IP) With lock IP30 No	Colour			White
With lock No	RAL-number			9016
	Degree of protection (IP)			IP30
Type of closure Other	With lock			No
	Type of closure			Other