DATASHEET - MDB-BI-7647/SKAP/DIN/PKP-40-4

Part no.



Distribution board BI-7647 Package without metering application

MDB-BI-7647/SKAP/DIN/PKP-40-4

Catalog No. 180435

EL-Nummer (Norway)

1728160



Design verification as per IEC/EN 61439

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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 switchgear must be observed.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switch gear must be observed. $\label{eq:constraint}$
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])

(ecl@ss10.0.1-2/-14-24-09 [ACN38/011])			
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 765 Width mm 475 Depth mm 200 Built-in depth mm 212 Internal depth mm 210 DIN-rail yes yes With mounting plate No No Extension possible No No EMC-version yes No Colour No Write RAL-number Write Write Degree of protection (IP) P30 With lock No				
Transparent cover/door No Material housing Steel Height 765 Width 475 Depth mm 202 Built-in depth mm 212 Internal depth mm 210 DIN-rail Yes With mounting plate No Extension possible No Extension possible No EMC-version Yes Colour Yes RAL-number White Degree of protection (IP) 9016 With lock IP30 With lock No	Type of cover			Door
Material housing Steel Height 765 Width 75 Depth 75 Built-in depth 720 Internal depth 722 Internal depth 722 With mounting plate 722 With mounting plate 722 Extension possible 724 725 Extension possible 724 725 EMC-version 724 725 Colour 724 725 RAL-number 724 725 Degree of protection (IP) 726 727 With lock 726 727 With lock 727 728 RAL-number 728 729 Police 729 720 With lock 720 720 With lock 720 720 With lock 720 720 With lock 720 720 RAL-number 720 720 RAL-number 720	Cover model			Closed
Height mm 765 Width 75 Depth 75 Built-in depth 72 Internal depth 72 DIN-rail 72 With mounting plate 72 Extension possible 72 Extension possible 72 EMC-version 72 Colour 72 RAL-number 72 Degree of protection (IP) 720 With lock 720 Mode Mod Mode Mode Mode	Transparent cover/door			No
Width mm 475 Depth mm 220 Built-in depth mm 212 Internal depth mm 210 DIN-rail Yes With mounting plate No Extension possible No EMC-version Yes Colour Yes RAL-number White Degree of protection (IP) 1930 With lock No	Material housing			Steel
Depthmm220Built-in depthmm212Internal depthmm210DIN-railYesWith mounting plateNoNoExtension possibleNoNoEMC-versionYesYesColourYesWhiteRAL-numberYesWhiteDegree of protection (IP)Yes1930With lockIesIesIesWith lockIesIesIesWith lockIesIesIes	Height	ı	mm	765
Built-in depth Internal depth Intern	Width	ı	mm	475
Internal depth DIN-rail DIN-rail With mounting plate Extension possible EXC-version Colour RAL-number RAL-number Degree of protection (IP) With lock DEMARCH STATE	Depth	ı	mm	220
DIN-rail DIN-rail With mounting plate With mounting plate Extension possible Extension possible EMC-version Colour RAL-number Degree of protection (IP) With lock With lock With mounting plate Ves No	Built-in depth	ı	mm	212
With mounting plate Extension possible EMC-version EMC-version Colour RAL-number Degree of protection (IP) With lock No	Internal depth	ı	mm	210
Extension possible No EMC-version Yes Colour RAL-number Degree of protection (IP) With lock No	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) IP30 With lock 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