wöhner

Product data

for design verfication according to IEC / EN 61439-1

Product description	
Part No.	32023
Product name	busbar adapter 250 A, 3-pole
Description	105 x 190 connection to the system top or bottom for ABB Tmax XT4, Allen-Bradley 140G-J for busbars 12, 15, 20, 25, 30 x 5, 10 and section busbars
Rated current (IEC)	250 A
rated voltage (IEC) AC	690 V
power dissipation at full load of the item	40.8 W
type number	60250.1-L

Product features for design verification		
Construction		
10.2	Strength of materials and parts	see following subitems
10.2.2	Resistance to corrosion	Requirements fulfilled Wöhner products are electrical equipment for which the respective product standard is to be applied. The single parts made out of ferrous metals are protected efficiently against corrosion.
10.2.3	Properties of insulating materials	see following subitems
10.2.3.1	Verification of thermal stability of enclosures	Wöhner products do not represent an enclosure. However, the required heat resistance of 70° is fulfilled.
10.2.3.2	Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects	Requirements fulfilled (glow wire test) parts necessary to retain current carrying parts in position: 960°C other parts: 650 °C
10.2.4	Resistance to ultra-violet (UV) radiation	only applicable for outdoor installations not relevant, since Wöhner components are generally not used as external parts
10.2.5	Lifting	not relevant, since the whole assembly must be evaluated
10.2.6	Mechanical impact	not relevant, only applicable for enclosures
10.2.7	Marking	requirements fulfilled
10.3	Degree of protection of enclosures	not relevant, only applicable for enclosures
10.4	Clearances and creepage distances	the requirements are fulfilled for the single Wöhner components
10.5	Protection against electric shock and integrity of protective circuits	lies within the responsibility of the assembler
10.6	Incorporation of switching devices and components	lies within the responsibility of the panel builder the requirements are fulfilled for the single Wöhner components, as long as they are used as intended and Wöhner's mounting and operating instructions are respected

10.7	Internal electrical circuits and connections	lies within the responsibility of the panel builder the requirements are fulfilled for the single Wöhner components, as long as they are used as intended and Wöhner's mounting and operating instructions are respected
10.8	Terminals for external conductors	lies within the responsibility of the panel builder the requirements are fulfilled for the single Wöhner components, as long as they are used as intended and Wöhner's mounting and operating instructions are respected
Behaviour		
10.9	Dielectric properties	see following subitems
10.9.1	General	lies within the responsibility of the panel builder the requirements are fulfilled for the single Wöhner components, as long as they are used as intended and Wöhner's mounting and operating instructions are respected
10.9.2	Power-frequency withstand voltage	800 V
10.9.3	Impulse withstand voltage	6 kV
10.9.4	Testing of enclosures made of insulating material	not relevant, since the whole assembly must be evaluated
10.9.5	External conditions of insulating material	not relevant
10.10	Verification of temperature rise	the single Wöhner components meet the temperature rise requirements of the the product standards as long as they are used as intended. Additionally, evidence must be provided for the switchgear combination or for parts of it. Power dissipations of the Wöhner components can be used here.
10.11	Short-circuit withstand strength	
10.12	Electromagnetic compatibility (EMC)	lies within the responsibility of the assembler
10.13	Mechanical operation	lies within the responsibility of the panel builder the requirements are fulfilled for the single Wöhner components, as long as they are used as intended and Wöhner's mounting and operating instructions are respected

For further information see: https://www.woehner.de/en/products/32023.html