

TEST CERTIFICATE

Issued to: Tekpan Teknik Elektrik Kumanda Pano San. ve Turizm Tic. As.
Halilbeyli O.S.B. mahallesi Parsa caddesi No: 2 Kemalpaşa
İzmir
Turkey

For the product: Empty enclosure for low-voltage switchgear and controlgear assemblies

Trade name: Tekpan

Type/Model: DM Small Series, DM Medium Series, DM Large Series

Ratings: IP66 (single door), IP54 (double door)
IK10 (metal enclosure DM Medium Series, DM Large Series)
IK08 (glass door DM Medium Series), IK07 (DM Small Series)
For more details see annex

Manufactured by: Tekpan Teknik Elektrik Kumanda Pano San. ve Turizm Tic. As.
Halilbeyli O.S.B. mahallesi Parsa caddesi No: 2 Kemalpaşa
İzmir
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Subject: Type tests

Requirements: IEC 62208:2011
Clauses 9.3, 9.4, 9.6, 9.7, 9.8, 9.9, 9.11, 9.13, 9.14

Remarks: -

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in report no. 2256241.02-INC, dated 2 March 2023.

The examination has been carried out on one single specimen of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

Arnhem, 2 March 2023

Number: 2256241.101

DEKRA Certification B.V.



F.S. Strikwerda
Certification Manager

© Integral publication of this certificate and adjoining reports is allowed



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Overview of product evaluation according to IEC 62208:

IEC 62208 Clause	Clause description	Tested ratings	Results
9.3	Marking		Pass
9.4	Static loads	(DM Small Series) Mounting plate: max. 15 kg Metal door: max. 2 kg Total load: max. 20 kg (DM Medium Series) Mounting plate: max. 250 kg Metal door: max. 30 kg Total load: max. 260 kg (DM Large Series) Mounting plate: max. 250 kg Metal door: max. 30 kg Total load: max. 290 kg Note: The permissible load of each type depends on the enclosure size, refer to the test report	Pass
9.6	Axial loads of metal inserts	800 N (mounting plate attachment) 500 N (PE earthing point)	Pass
9.7	Degree of protection against external mechanical impacts (IK code)	IK07 (DM Small Series) IK10 (metal enclosure DM Medium Series) IK08 (glass door DM Medium Series) IK10 (metal enclosure DM Large Series)	Pass
9.8	Degree of protection against access to hazardous parts and against ingress of solid objects and/or water (IP code)	IP66 (single door) IP54 (double door)	Pass
9.9	Properties of insulating materials		
9.9.1	Thermal stability		Pass
9.9.2	Resistance to heat		Pass
9.9.3	Resistance to abnormal heat and fire	Insulating materials retaining current-carrying parts in position: 960 °C Other insulating materials: 650 °C	Pass
9.11	Continuity of the protective circuit	Resistance < 0,1 Ω	Pass
9.13	Resistance to corrosion	Severity test A: indoor	Pass
9.14	Thermal power dissipation capability		Pass

Product details DM Small Series:

Enclosure	Description
Method of fixing:	Wall mounting
Enclosure material:	Sheet steel, powder coated
Metal thickness:	- 1,2 mm (enclosure) - 2,0 mm (mounting plate)
Size:	- maximum door width 400 mm (metal door) - maximum door height 400 mm (metal door) - enclosure depth 150 mm
Door type:	Single metal door
Window:	N/A
Hinges:	2
Locks:	1 or 2 depending on size
Locking device:	Quarter turn double-bit lock

Product details DM Medium Series:

Enclosure	Description
Method of fixing:	Wall mounting
Enclosure material:	Sheet steel, powder coated
Metal thickness:	- 1,2 or 1,5 mm depending on size (enclosure) - 1,2, 1,5 or 2,0 mm depending on size (door) - 2,0 mm (mounting plate)
Size:	- maximum door width 800 mm (single metal or single glazed door) - maximum door height 1200 mm (single metal or single glazed door) - door width 400 mm (double metal door) - door height 600 mm (double metal door) - maximum enclosure depth 300 mm
Door type:	- single metal door, or - double metal door, or - single glazed door
Window:	- tempered glass (glazed door)
Hinges:	- 2 or 3 depending on size (single metal door) - 4 (double metal door) - 2 or 3 depending on size (single glazed door)
Locks:	- 2 (quarter turn double-bit lock) - 1 (3 point double-bit lock)
Locking device:	- quarter turn double-bit lock, or - 3 point double-bit lock

Product details DM Large Series:

Enclosure	Description
Method of fixing:	Wall mounting
Enclosure material:	Sheet steel, powder coated
Metal thickness:	- 1,5 mm (enclosure) - 2,0 mm (door) - 2,0 mm (mounting plate)
Size:	- maximum door width 800 mm (single metal door) - maximum door height 1200 mm (single metal door) - maximum door width 600 mm (double metal door) - maximum door height 1400 mm (double metal door) - maximum enclosure depth 400 mm
Door type:	- single metal door, or - double metal door
Window:	N/A
Hinges:	- 3 (single metal door) - 4 or 6 depending on size (double metal door)
Locks:	- 2 (quarter turn double-bit lock on single metal door) - 4 (quarter turn double-bit lock on double metal door) - 1 (3 point double-bit lock on single metal door) - 2 (3 point double-bit lock on double metal door)
Locking device:	- quarter turn double-bit lock, or - 3 point double-bit lock