Checklist to design switchgear assemblies in accordance with IEC 61439 / EN 61439

❑ **Request/Offer** **Hensel expert:** _____ **Date:** _____

Client:

Name: _____

Address: _____

_____

Phone: _____

E-Mail: _____

Project:

_____

_____

_____

_____

_____

1. Installation and ambient conditions

Type of business: _____ Indoor/ambient temperature (°C): _____

Installation

- indoors: ❑ in the locked electrical operation room ❑ in production area

- outdoors: ❑ protected outdoors ❑ unprotected outdoors

Available wall surface in mm: Width: _____ Height: _____ Depth: _____

Assembly type: ❑ wall-mounted ❑ floor-standing

Degree of protection: ❑ IP 44 ❑ IP 54 ❑ IP 55 ❑ IP 65 ❑ IP _____

2. Operation

❑ by skilled persons (electricians) ❑ by unskilled persons

Doors/lids: ❑ opaque/without inspection pane ❑ transparent/with inspection pane ❑ _____

3. Connection to the public power supply system

Main distribution board: Outgoing device: _____

Transformer: Rated power (kVA): _____ Impedance u_k (%): ❑ 4 ❑ 6

Rated voltage _____ ❑ V a.c. ❑ V d.c. ❑ _____ Hz ❑ _____ Rated current (A): _____

Conductor designation: ❑ L1, L2, L3 ❑ N ❑ PE ❑ PEN

Protection class: ❑ I ❑ II

Incoming device: _____

Connection incoming:

❑ from top ❑ from bottom ❑ from left ❑ from right ❑ _____

❑ copper ❑ aluminum

❑ with cable lug ❑ with terminal

❑ conductor ❑ single conductor cross section (mm²): _____

4. Electrical circuits and consumers

Connection outgoing:

❑ from top ❑ from bottom ❑ from left ❑ from right ❑ _____

❑ connected to device ❑ via terminal blocks cross section (mm²): _____

Equipped with:

	Quan-tity	Type of protective device (fuse, circuit breaker, ...)	Rated values of the consumer (current, power, ...)	Comments
Consumer				
Consumer				
Consumer				
Consumer				
Consumer				