

Quadranti Bruno e Figlio SA
Via Cantonale 51
6805 Mezzovico

N° del cliente
101778

Vostro riferimento
Erika Quadranti

Nostro riferimento
Oliver Zimmermann

Data
06.05.2024

Autorizzazione

Numero: **24.0329**
Valida fino al: **21.05.2025**



Contrassegno di
sicurezza:



Secondo i documenti nella pratica-numero **18-BS-0522** l'ispettorato federale degli impianti a corrente forte, rilascia il diritto alla ditta sopra citata, di mettere in commercio, secondo OPBT il (i) prodotto (i) sotto elencato (i) contrassegnato (i) con il contrassegno di sicurezza.

Prodotto:	Quadro di distribuzione
Marca:	Quadranti
Tipo	Dati nominali
CDS 1003	Rated operational voltage (Ue): 230/400VAC Rated insulation voltage (Ui): 400 V Rated impulse withstand voltage (Uimp): 6kV
CDS 1010	Rated operational voltage (Ue): 230/400VAC Rated insulation voltage (Ui): 400V Rated operational voltage (Ue): 6kV
CDS 1011	Rated operational voltage (Ue): 230/400VAC Rated insulation voltage (Ui): 400V Rated operational voltage (Ue): 6kV



Autorizzazione Numero: **24.0329**

Tipo Dati nominali

CDS 1056 Rated operational voltage (Ue): 230/400VAC
Rated insulation voltage (Ui): 400V
Rated operational voltage (Ue): 6kV

CDS 1005 Rated operational voltage (Ue): 230/400VAC
Rated insulation voltage (Ui): 400V
Rated operational voltage (Ue): 6kV

CDS 1006 Rated operational voltage (Ue): 230/400VAC
Rated insulation voltage (Ui): 400V
Rated operational voltage (Ue): 6kV

Classe di protezione:

Grado di protezione: esterno IP40/30, interno IP30/

Base: Test Report / Electrosuisse / 12-IK-0493.01 / 17.01.2013

Osservazione: Dati nominali ed altre indicazioni nell' appendice:
Test Report di Electrosuisse no. 12-IK-0493.01, Page 7-9

Un'ulteriore proroga dell'autorizzazione è possibile solo tramite rinnovo del certificato di prova.

Norme: EN 61439-1:2011
EN 61439-2:2011

Ispettorato federale degli impianti a corrente forte ESTI

Severo Nicoli
Capo sorveglianza del mercato/Contrassegno di sicurezza

Test item particulars					
CDS system:	Section...	CDS1003	CDS1010 CDS1011	CDS1056	CDS1005 CDS1006
Rated operational voltage (Ue) :		230/400VAC			
Rated insulation voltage (Ui) :		400V			
Rated impulse withstand voltage (Uimp) :		6kV			
Overtoltage category:		IV			
Rated current :	-Main busbar	2500A	2500A	2500A	2500A
	-Distribution busbar	---	630A	---	1600A
	-Distribution busbar N1	---	---	1600A	---
	-Distribution busbar N2	---	---	630A	---
Rated short-time withstand current (Icw)					
	-Main busbar	65KA/1s	65KA/1s	65KA/1s	65KA/1s
	-Distribution busbar	---	30KA/1s	---	65KA/1s
	-Distribution busbar N1	---	---	65KA/1s	---
	-Distribution busbar N2	---	---	30KA/1s	---
Rated peak withstand current (Ipk) :					
	-Main busbar	143kA/pk	143kA/pk	143kA/pk	143kA/pk
	-Distribution busbar	---	63kA/pk	---	143kA/pk
	-Distribution busbar N1	---	---	143kA/pk	---
	-Distribution busbar N2	---	---	63kA/pk	---
Form of Internal separation:		2			3a, 3b, 4a, 4b
Rated conditional short-circuit current (Icc) :		N/A			
Rated frequency:		50/60Hz			
Rated diversity factor:		1			
Type of system earthing:		TN-S			
Conditions of installation (stationary / movable) :		stationary			
Place of installation (indoor / outdoor) :		indoor			
External design of assemblies:		cubicle-type			
Method of mounting (fixed or removable parts):		withdrawable circuit breaker			
Intended for use by skilled or ordinary persons:		skilled			
Natural or forced convection:		natural			
Pollution degree:		3			
Type of electrical connection of functional units:		FFF			
Electromagnetic compatibility (EMC)		A+B			
Special service conditions:		none			
Mechanical impact protection		IK08			

Test item particulars					
CDS system:	Section...	CDS1003	CDS1010 CDS1011	CDS1056	CDS1005 CDS1006
Degree of protection :	-external:	IP40 with steel grid behind ventilations openings			
		IP30 without steel grid behind ventilations openings			
	-internal front side	IP30			
	-internal back side:	IP20			
	-cable section CDS1056 and adjunct door on sections CDS1010, CDS1011 CDS1005 and CDS1006	IP00			
		Locked with "Kaba" Key, and warning sticker on the door			

Additional dielectric tests for U_i and U_{imp} . on busbar system only

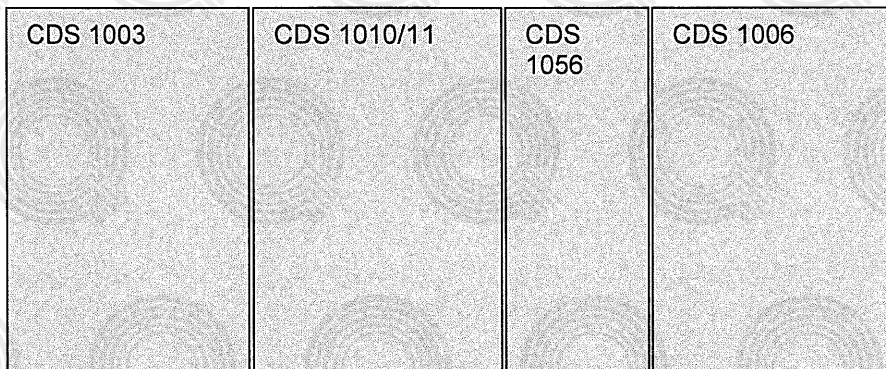
Rated insulation voltage (U_i) : 1000V

Rated impulse withstand voltage (U_{imp}) : 12kV

Bemerkungen:**Typenübersicht:**

CDS 1003 = Einspeisefeld (2500A)
CDS 1005 = Abgangsfeld (Verteilerfeld) (1600A) Verteilschiene links
CDS 1006 = Abgangsfeld (Verteilerfeld) (1600A) Verteilschiene rechts
CDS 1010 = Abgangsfeld (Verteilerfeld) (630A) Verteilschiene rechts
CDS 1011 = Abgangsfeld (Verteilerfeld) (630A) Verteilschiene links
CDS 1056 = Abgangskabelfeld mit N + PE Schiene (1600A bez. 630A)

Die typengeprüfte Schaltgerätekombination (Prüfmuster) besteht aus folgenden Feldern:

**Bemerkungen:**

In den obigen Prüfmustern sind keine Betriebsmittel, wie Leistungsschalter, Leitungsschutzschalter usw. montiert. Es dürfen nur typengeprüfte Betriebsmittel gemäss den Angaben in der Dokumentation des Schaltgerätekombination-Herstellers verwendet werden. Die Nenndaten der Schaltgerätekombination müssen gemäss den Nenndaten der Betriebsmittel ev. nach unten angepasst werden. (z.B. Stossspannungsfestigkeit, Isolationsfestigkeit, Kurzschlussfestigkeit, Nennströme usw.) Bei der kompletten Schaltgerätekombination muss eine Stückprüfung durchgeführt werden.

Stromschienenhalterabstände: Hauptschiene 2500A horizontal: max. 480mm
 Hauptschiene 2500A vertikal CDS 1003: max. 300mm
 Verteilerschiene 1600A vertikal CDS 1005/6: max. 140mm
 Verteilerschiene 630A vertikal CDS 1010/11: max. 300mm
 N Abgangsschiene 630A/1600A vertikal CDS 1056: max. 390mm
 PE Schiene horizontal: max. 800mm