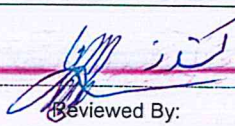

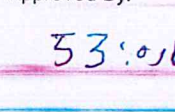


Table: LV Underground Cable 0.6/1 kV, NYY 4 x 70SM

Designation	Unit	Required	Offered
Manufacturer's name		To be specified	
Cable type (four – core)		NYN	
Conductor material		Copper	
Conductor shape		Sector Stranded	
Nominal cross-sectional area of conductor	mm ²	70	
Insulation material of conductor		PVC	
Insulation thickness	mm	1.4	
Outer sheath material		PVC	
Thickness of outer sheath	mm	2.1	
Overall diameter of cable(D)	mm	36	
Weight of cable	kg/km	3375	
Minimum bending radius	mm	15 D	
Nominal voltage	kV	0.6/1.0	
Max. Permissible operating voltage	kV	1.2	
Service voltage	kV	0.4/0.230	
Frequency	Hz	50	
Effective a.c. resistance at 70° C	Ω/km	0.233	
Max. admissible short circuit current (1s)	kA	8.05	
Current carrying capacity (in ground)	A	200	
Inductance per conductor	mH/km	To be specified	
Standards		IEC 60502 DIN VDE 0271 VDE 0295 (IEC60228) VDE0293	

مشخصات فنی تجهیزات برقی پروژه محکمی و لوله‌های چهار دره ولایت کونړ

Reviewed By:  Checked By:  Approved By: 

تکلم شماره: 53

30.10.1445

Table: Technical Data for Distribution Transformer 400 kVA, 20/0.4kV

Manufacturer's Name		To be specified	
Type / Model		Oil-immersed	
Installation		With oil conservator	
Dielectric		outdoor	
Oil type		oil, without PCB	
Rated frequency	Hz	to be specified	
Rated power	kVA	50	
Number of phases		400	
Rated voltage:		3	
- High voltage side	kV	20	
- Low voltage side	kV	0.4	
Taps on HV side	%	±2x2.5%, off load	
Rated currents			
- High voltage side	A	to be specified	
- Low voltage side	A	to be specified	
Impedance voltage	%	4	
Vector group		Dyn5	
Treatment of neutral (LV side)		Solidly earthed	
Losses:			
- No-load	W	To be specified	
- Load	W	To be specified	
Insulation level HV-winding			
Lightning-impulse test voltage	kV	125	
Power-frequency test voltage	kV	50	
Insulation level LV-winding			
Lightning-impulse test voltage	kV	30	
Power-frequency test voltage	kV	10	

تصميم شماره ۱

شخصان منتخبی تجویزات برقی پروژه و مدارهای الکتریکی میا درجه لایته کنند

15.10.1445

Resistance per phase:			
- HV winding	Ω	to be specified	
- LV winding	Ω	to be specified	
Sound pressure level	dB(A)	52	
Max. temperature rise at 45° C ambient temperature and at full load:			
- Winding	°C	to be specified	
- Iron core	°C	to be specified	
- Oil at top level	°C	to be specified	
Max. ambient temperature	°C	45	
Cooling system		ONAN	
Conductor material			
Insulating material of windings		Copper	
Insulation class		to be specified	
Standard bushings		yes	
Accessories:			
- Dial type contactor thermometer transformer	pcs.	1	
- Oil level indicator	pcs.	1	
- Pocket thermometer	pcs.	1	
- Grounding terminals	pcs.	2	
- Filter pipe	pcs.	1	
- Oil drain plug	pcs.	1	
- Rating plate	pcs.	1	
- Towing eye	pcs.	1	
Weights:			
- Total	kg	to be specified	
- Oil	kg	to be specified	
Dimensions:			
- Length	mm	to be specified	
- Width	mm	to be specified	
- Height	mm	to be specified	
- Distance between wheels centers	mm	to be specified	
Standard specifications		IEC 60076-7 IEC 60354	

معماری: ۱۰

مشخصات فنی تجهیزات برقی پروژه ۱۰۰۰ کیلوواتی چاه دره ولایت کنکاز

15.10.1405

Table: Technical Data for Distribution Transformer 250 kVA, 20/0.4 kV

Manufacturer's Name		To be specified	
Type / Model		Oil-immersed	
Installation		With oil conservator	
Dielectric		outdoor	
Oil type		oil, without PCB	
Rated frequency	Hz	to be specified	
Rated power	kVA	50	
Number of phases		250	
Rated voltage:		3	
- High voltage side	kV	20	
- Low voltage side	kV	0.4	
Taps on HV side	%	$\pm 2 \times 2.5\%$, off load	
Rated currents			
- High voltage side	A	to be specified	
- Low voltage side	A	to be specified	
Impedance voltage	%	4	
Vector group		Dyn5	
Treatment of neutral (LV side)		Solidly earthed	
Losses:			
- No-load	W	To be specified	
- Load	W	To be specified	
Insulation level HV-winding			
Lightning-impulse test voltage	kV	125	
Power-frequency test voltage	kV	50	
Insulation level LV-winding			
Lightning-impulse test voltage	kV	30	
Power-frequency test voltage	kV	10	

تصویر شماره 2

مشخصات فنی تجهیزات برقی پروژه سوله‌ای و سوله‌ای چهار دره ولایت کندز

15.10.1445

Resistance per phase:			
- HV winding	Ω	to be specified	
- LV winding	Ω	to be specified	
Sound pressure level	dB(A)	52	
Max. temperature rise at 45° C ambient temperature and at full load:			
- Winding	°C	to be specified	
- Iron core	°C	to be specified	
- Oil at top level	°C	to be specified	
Max. ambient temperature	°C	45	
Cooling system		ONAN	
Conductor material			
Insulating material of windings		Copper	
Insulation class		to be specified	
Standard bushings		yes	
Accessories:			
- Dial type contactor thermometer transformer	pcs.	1	
- Oil level indicator	pcs.	1	
- Pocket thermometer	pcs.	1	
- Grounding terminals	pcs.	2	
- Filter pipe	pcs.	1	
- Oil drain plug	pcs.	1	
- Rating plate	pcs.	1	
- Towing eye	pcs.	1	
Weights:			
- Total	kg	to be specified	
- Oil	kg	to be specified	
Dimensions:			
- Length	mm	to be specified	
- Width	mm	to be specified	
- Height	mm	to be specified	
- Distance between wheels centers	mm	to be specified	
Standard specifications		IEC 60076-7 IEC 60354	

تصویر کار شده

مشخصات فنی تجهیزات برقی برنده اصلی و گارانتی چهار ده ساله دارند

15.10.1445

Table: Technical Data for Distribution Transformer 200 kVA, (20-6/0.4) kV

Designation	Unit	Required	Offered
Manufacturer's Name		To be specified	
Type / Model		Oil-immersed With conservator	
Installation		outdoor	
Dielectric		oil, without PCB	
Oil type		to be specified	
Rated frequency	Hz	50	
Rated power	kVA	200	
Number of phases		3	
Rated voltage:			
- High voltage side	kV	20-6	
- Low voltage side	kV	0.4	
Taps on HV side	%	±2x2.5%, off load	
Rated currents			
- High voltage side	A	to be specified	
- Low voltage side	A	to be specified	
Impedance voltage	%	4	
Vector group		Dyn5	
Treatment of neutral (LV side)		Solidly earthed	
Losses:			
- No-load	W	To be specified	
- Load	W	To be specified	
Insulation level HV-winding:			
Lightning-impulse test voltage	kV	125	
Power-frequency test voltage	kV	50	
Insulation level LV-winding:			
Lightning-impulse test voltage	kV	30	
Power-frequency test voltage	kV	10	

مهر شماره ۱۵

مستندات فنی و فیزیکی تجهیزات برقی پروژه مهری و سالی چهارده و یکم ثبت کنند

15.10.14

Resistance per phase:			
- HV winding	Ω	to be specified	
- LV winding	Ω	to be specified	
Sound pressure level	dB(A)	52	
Max. temperature rise at 45° C ambient temperature and at full load:			
- Winding	°C	to be specified	
- Iron core	°C	to be specified	
- Oil at top level	°C	to be specified	
Max. ambient temperature	°C	45	
Cooling system		ONAN	
Conductor material			
Insulating material of windings		Copper	
Insulation class		to be specified	
Standard bushings		yes	
Accessories:			
- Dial type contactor thermometer	pcs.	1	
- Oil level indicator	pcs.	1	
- Pocket thermometer	pcs.	1	
- Grounding terminals	pcs.	2	
- Filter pipe	pcs.	1	
- Oil drain plug	pcs.	1	
- Rating plate	pcs.	1	
- Towing eye	pcs.	1	
Weights:			
- Total	kg	to be specified	
- Oil	kg	to be specified	
Dimensions:			
- Length	mm	to be specified	
- Width	mm	to be specified	
- Height	mm	to be specified	
- Distance between wheels centers	mm	to be specified	
Standard		IEC 60076-7 IEC 60354	

تصویر شماره 3

مستندات فنی تجهیزات برقی برنده مهدی لوسوی چهارده ولت کنند

15.10.1445

Table: Technical Data for Distribution Transformer 160 kVA, (20-6/0.4) kV

Designation	Unit	Required	Offered
Manufacturer's Name		To be specified	
Type / Model		Oil-immersed With oil conservator	
Installation		outdoor	
Dielectric		oil, without PCB	
Oil type		to be specified	
Rated frequency	Hz	50	
Rated power	kVA	160	
Number of phases		3	
Rated voltage:			
- High voltage side	kV	(20-6)	
- Low voltage side	kV	0.4	
Taps on HV side	%	$\pm 2 \times 2.5\%$, off load	
Rated currents			
- High voltage side	A	to be specified	
- Low voltage side	A	to be specified	
Impedance voltage	%	4	
Vector group		Dyn5	
Treatment of neutral (LV side)		Solidly earthed	
Losses:			
- No-load	W	To be specified	
- Load	W	To be specified	
Insulation level HV-winding			
Lightning-impulse test voltage	kV	125	
Power-frequency test voltage	kV	50	
Insulation level LV-winding			
Lightning-impulse test voltage	kV	30	
Power-frequency test voltage	kV	10	

مستحقک

مستحقک
15.10.1445

Resistance per phase:			
- HV winding	Ω	to be specified	
- LV winding	Ω	to be specified	
Sound pressure level	dB(A)	52	
Max. temperature rise at 45° C ambient temperature and at full load:			
- Winding	°C	to be specified	
- Iron core	°C	to be specified	
- Oil at top level	°C	to be specified	
Max. ambient temperature	°C	45	
Cooling system		ONAN	
Conductor material			
Insulating material of windings		Copper	
Insulation class		to be specified	
Standard bushings		yes	
Accessories:			
- Dial type contactor thermometer transformer	pcs.	1	
- Oil level indicator	pcs.	1	
- Pocket thermometer	pcs.	1	
- Grounding terminals	pcs.	2	
- Filter pipe	pcs.	1	
- Oil drain plug	pcs.	1	
- Rating plate	pcs.	1	
- Towing eye	pcs.	1	
Weights:			
- Total	kg	to be specified	
- Oil	kg	to be specified	
Dimensions:			
- Length	mm	to be specified	
- Width	mm	to be specified	
- Height	mm	to be specified	
- Distance between wheels centers	mm	to be specified	
Standard specifications		IEC 60076-7 IEC 60354	

معماری کار 4

مشخصات فنی تجهیزات برقی پروژه مصفاهی لوله‌کشی و سازه‌های فولادی

15.10.1405

Table: Technical Data for Distribution Transformer 100 kVA, 20/0.4 kV

Designation	Unit	Required	Offered
Manufacturer's Name		To be specified	
Type / Model		Oil-immersed	
Installation		With conservator	
Dielectric		outdoor	
Oil type		oil, without PCB	
Rated frequency	Hz	to be specified	
Rated power	kVA	50	
Number of phases		100	
Rated voltage:		3	
- High voltage side	kV	20	
- Low voltage side	kV	0.4	
Taps on HV side	%	$\pm 2 \times 2.5\%$, off load	
Rated currents			
- High voltage side	A	to be specified	
- Low voltage side	A	to be specified	
Impedance voltage	%	4	
Vector group		Dyn5	
Treatment of neutral (LV side)		Solidly earthed	
Losses:			
- No-load	W	To be specified	
- Load	W	To be specified	
Insulation level HV-winding:			
Lightning-impulse test voltage	kV	125	
Power-frequency test voltage	kV	50	
Insulation level LV-winding:			
Lightning-impulse test voltage	kV	30	
Power-frequency test voltage	kV	10	

مستحقان تحصيلی تجهیزات برقی در توده مصارفی داخلی و خارجی چهارم

15.10.1445

Resistance per phase:			
- HV winding	Ω	to be specified	
- LV winding	Ω	to be specified	
Sound pressure level	dB(A)	52	
Max. temperature rise at 45° C ambient temperature and at full load:			
- Winding	°C	to be specified	
- Iron core	°C	to be specified	
- Oil at top level	°C	to be specified	
Max. ambient temperature	°C	45	
Cooling system		ONAN	
Conductor material			
Insulating material of windings		Copper	
Insulation class		to be specified	
Standard bushings		yes	
Accessories:			
- Dial type contactor thermometer	pcs.	1	
- Oil level indicator	pcs.	1	
- Pocket thermometer	pcs.	1	
- Grounding terminals	pcs.	2	
- Filter pipe	pcs.	1	
- Oil drain plug	pcs.	1	
- Rating plate	pcs.	1	
- Towing eye	pcs.	1	
Weights:			
- Total	kg	to be specified	
- Oil	kg	to be specified	
Dimensions:			
- Length	mm	to be specified	
- Width	mm	to be specified	
- Height	mm	to be specified	
- Distance between wheels centers	mm	to be specified	
Standard		IEC 60076-7 IEC 60354	

صالح کارنده

مستندات فنی تجهیزات برقی پروژه مصلحتی دولتی چهارده لایه کندی

15.10.1405

Table: Technical Data Disconnecting Switch Combination fuse 20kV, 630 A

Description	Unit	Required	Offered
Manufacturer's Name		to be specified	
Type / Model		to be specified	
Installation		pole mounted	
Nominal Voltage	kV	20	
Rated Voltage	kV	24	
Rated Frequency	Hz	50	
Rated Normal Current	A	630	
Rated Breaking current			
Rated lightning-impulse withstand voltage	kV	125	
Power frequency test voltage	kV	50	
Rated short-time current	kA	25	
Rated short-circuit making current	kA	63	
Creepage distance for insulators	mm/kV	25	
Distance between phase centers (min)	mm	350	
Link Fuse	A	To be specified according to BOQ	
Operation mechanism		Manual	
All necessary accessories		to be confirmed	
Standard specifications		IEC 60129 VDE 0670	

املام شماره: 7.6 و 8

مستحضرات تحلیلی تجهیزات برقی پروژه اصلاحی لوله های چهار لایه ولایت کنند

19. 6. 1445

Table: Technical Data Disconnecting Switch 20kV, 630 A

Description	Unit	Required	Offered
Manufacturer's Name		to be specified	
Type / Model		to be specified	
Installation		pole mounted	
Nominal Voltage	kV	20	
Rated Voltage	kV	24	
Rated Frequency	Hz	50	
Rated Normal Current	A	630	
Rated Breaking current			
Rated lightning-impulse withstand voltage	kV	125	
Power frequency test voltage	kV	50	
Rated short-time current	kA	25	
Rated short-circuit making current	kA	63	
Creepage distance for insulators	mm/kV	25	
Distance between phase centers (min)	mm	350	
Operation mechanism		Manual	
All necessary accessories		to be confirmed	
Standard specifications		IEC 60129 VDE 0670	

قلم کار ۹

مشخصات فنی تجهیزات برقی پروژه، مدارهای انتقالی و سایر مدارات ولایت کنده

Make By:
DECON

Reviewed By:

Checked By:

Approved By:

Table: Surge Arrester

Designation	Unit	Required	Offered
Manufacturer	-	-	
Country of origin	-		
Type	-	station metal oxide gapless	
Housing	-	silicon rubber	
Color	-	grey	
Nominal characteristics	-		
Rated max. network operating voltage	kV	24	
Rated operating voltage (Ur)	kV	24	
Rated continuous operating voltage (Uc)	kV	20	
Rated discharge current (peak)	kA	10	
Switching impulse current (peak)	kA	2	
Line discharge class (IEC 99-4)	-		
Rated frequency	Hz	50	
Protection characteristics			
Max. residual voltages			
- For a steep impulse current, 1/2 μ s front, 10 kA.	kV	71	
- For lightning impulse current, 8/20 μ s, 10 kA.	kV	67	
- For a switching impulse current 30/60 μ s, 0.5 kA	kV	52	
Energy absorbing capacity	kJ/kV	4.3	
Operating performances			
High current impulse withstand (4/10 μ s)	kA	100	
Temporary over voltage withstand (for 10s)	kV	24	

جمع کار: ۱۰

مشخصات فنی تجهیزات برقی بر اساس مشخصات فنی اعلام شده و مطابق با استاندارد IEC 60099-4

Make By:
DECON

Reviewed By:

Checked By:

Approved By:

15.10.1445

Table: Surge Arrester

Designation	Unit	Required	Offered
Insulation levels			
- Lightning impulse withstand voltage	kV	125	
- Power frequency withstand voltage (1 m wet)	kV	50	
- Creepage distance	mm/kV	25	
- Cantilever strength	kN	-	
- Torsion strength	N-m	-	
Pressure relief capacity			
- Current amplitude (rms)	KA	17.5	
- X/R, asymmetry factor	-	17	
- Current duration	s	0.2	
Weights and dimensions:			
- Arrester height	mm	-	
- Arrester diameter	mm	-	
- Weight	kg	-	
Accessories			
Mounting hardware	-	Yes	
Ground Connector	-	Yes	
Insulating bases	-	Yes	
Discharge counter	-	-	
HV terminals connectors	-	Yes	
Standards	-	IEC 60099-4	
Quality control	-	ISO 9001	
Installation	-	Outdoor	

امم کا رونا

شخصیات منتخبہ کی تجویزات برقی مشینوں کے لیے دی گئی ہیں

Make By:
DECON

Reviewed By:

Checked By:

Approved By:

16.10.1445



معماری شماره ۱۱

Copper Ground Ear thing Rod

Diameter	20mm
Usage/Application	Power Distribution Earthing
Material	Copper
Color	Copper
Length Of Rod	1000mm

شخصیات فنیکی تجهیزات برقی پروژه ملایری بسکالی چهارده ولایت کدیف

15.10.1445



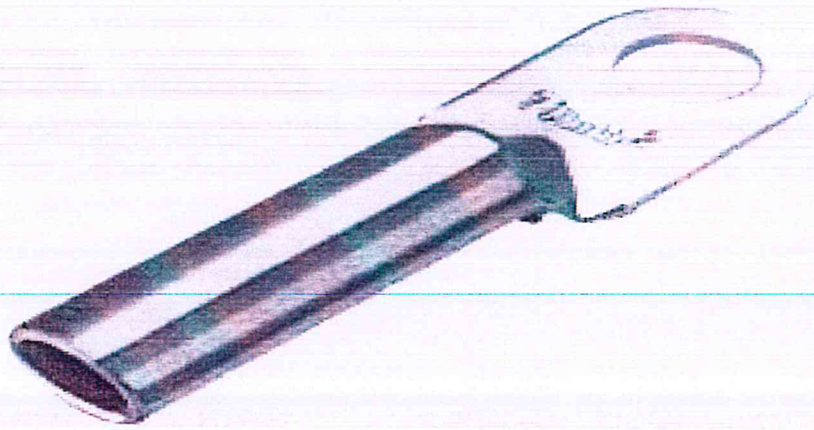
انوار شماره: ۱۳، ۱۴ و ۱۵.

Compression Cable Lugs

Color	Golden
Material	Copper
Size:	(300-150-120) mm2
Application	Power Distribution

شخصات تحلیلی تجهیزات برقی، مهندسی و مکانیکی، مهندسی و مهندسی

۱۵.۱۰.۱۴۴۵



Compression Cable Lugs

Color	Silver
Material	Aluminium
Size:	35-120 mm ²
Application	Power Distribution

15.10.1445

قلم کار: 19, 18, 17, 16

Table: Technical data for 20/24kV Cable Termination- Outdoor

Designation	Unit	Required	Offered
Cable			
Nominal voltage of cable	kV	12/20	
Cable type		N2XS2Y	
Insulation material of conductor		XLPE	
Outer sheath material		PE	
Nominal cross-section	mm ²	35	
Nominal cross-section	mm ²	50	
Nominal cross-section	mm ²	70	
Nominal cross-section	mm ²	95	
Nominal cross-section	mm ²	120	
Nominal cross-section	mm ²	150	
Nominal cross-section	mm ²	185	
Nominal cross-section	mm ²	240	
Termination		to be specified	
Manufacturer		to be specified	
Type		track resistant, silicon	
Design		rubber insulator with an detector for controlling the electrical field	
Installation			
Rated lightning – impulse test voltage	kV	>55	
Rated power – frequency withstand voltage	kV	>145	
Direct current withstand	kA	>U ₀	
Short-time current withstand	mm	>75	
Dimension	kg	to be specified	
Weight		to be specified	
Standard specifications		IEC 60, 230, 437, 502 VDE 0278	

32: 0

مشخصات فنی تجهیزات برقی پروژه، مطابق با مشخصات فنی و استانداردهای مربوطه و ارائه شده است.

16.10.1402

Table: Technical data for 20/24kv Cable Termination- indoor

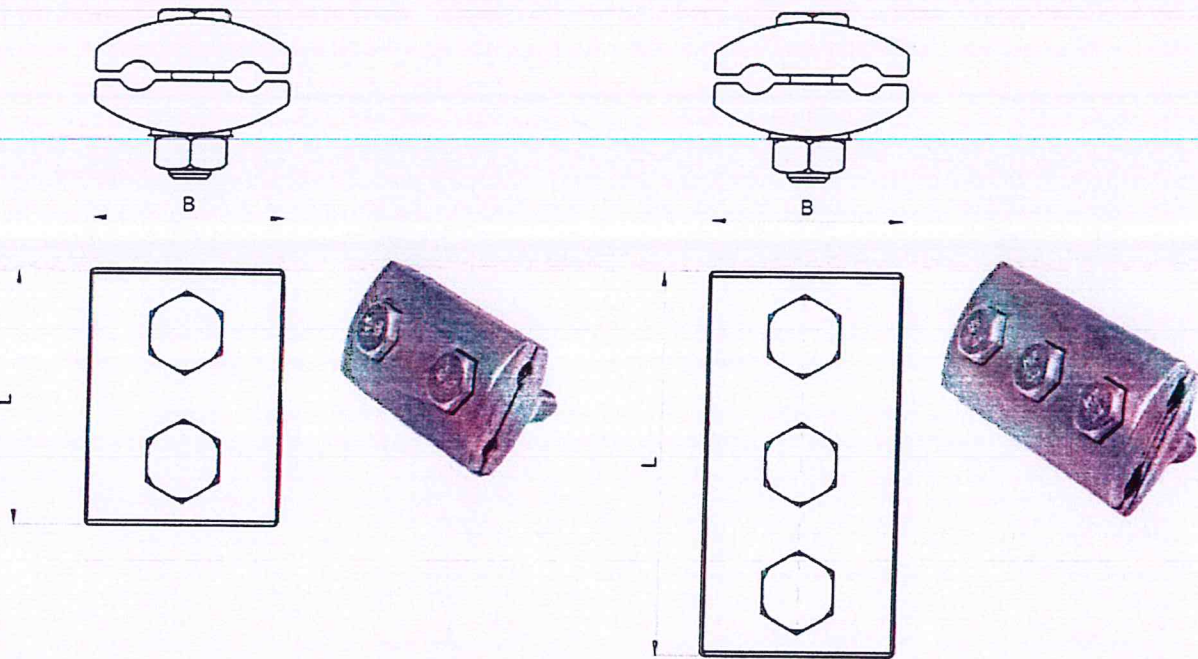
Designation	Unit	Required	Offered
Cable			
Nominal voltage of cable	kV	12/20	
Cable type		N2XS2Y	
Insulation material of conductor		XLPE	
Outer sheath material		PE	
Nominal cross-section	mm ²	35	
Nominal cross-section	mm ²	50	
Nominal cross-section	mm ²	70	
Nominal cross-section	mm ²	95	
Nominal cross-section	mm ²	120	
Nominal cross-section	mm ²	150	
Nominal cross-section	mm ²	185	
Nominal cross-section	mm ²	240	
Termination			
Manufacturer		to be specified	
Type		to be specified	
Design		track resistant, silicon	
		rubber insulator with an detector for controlling the electrical field	
Installation	kV		
Rated lightning – impulse test voltage	kV	>55	
Rated power – frequency withstand voltage		>145	
Direct current withstand	kA	>U ₀	
Short-time current withstand		>75	
Dimension	mm	to be specified	
Weitht	kg	to be specified	
Standard specifcations		IEC 60, 230, 437, 502 VDE 0278	

مهرگه 33

شخصان فنی بخش برق برقی برنده ملی برقی چارده گانه کنند

15.10.1445

MATERIJAL: AL LEGURA DIN 226
STANDARD: DIN 48 075



انواع شماره 36، 37

ALAL GROOVE CLAMPS ARE USED TO JOINT TWO PARALLEL ALUMINUM ALLOY CONDUCTORS (AAAC), ALUMINUM CONDUCTORS STEEL REINFORCED (ACSR) OR ENDS OF ABC OF THE SAME OR SIMILAR CROSS SECTIONS FROM WHICH THE INSULATION HAS BEEN REMOVED. THEIR TECHNICAL CHARACTERISTICS ENABLE JOINTING OF PHASE CONDUCTORS AT THE PLACES WHERE HIGH TENSILE STRENGTH AND STIFFNESS IS REQUIRED (JOINT DONE IN ACCORDANCE WITH STANDARD DIN 48 075). ALAL GROOVE CLAMPS ARE MADE USING DIE CASTING PROCESS AND THE INSIDE GROOVES ARE COGGED, WHICH INCREASES SAFETY REGARDING PULLING OUT AND PROVIDES HIGH-QUALITY ELECTRICAL CONTACT (THE GROOVES ARE MADE IN SUCH A WAY THAT ALUMINUM OXIDE FROM THE CONDUCTOR SURFACE IS BROKEN, WHICH REDUCES TRANSITIONAL RESISTANCE BETWEEN THE CLAMP AND THE CONDUCTOR). THE BODY OF THE CLAMP IS MADE OF ALUMINUM ALLOY OF HIGH TENSILE STRENGTH AND IS CORROSION RESISTANT. THEIR TECHNICAL CHARACTERISTICS PROVIDE FAST, EASY AND RELIABLE INSTALLATION AND LONG-LIFE AND SAFE USAGE WITH MINOR LOSSES ON THE NETWORK DUE TO VERY LOW TRANSITIONAL RESISTANCE. BOLTS AND NUTS ARE ZINC PLATED. INSIDE GROOVES ARE PROTECTED WITH ELECTRICAL CONTACT GREASE. WITH ELECTRICAL CONTACT GREASE.

NOTE: ON CUSTOMER'S REQUEST THE CLAMPS CAN BE DELIVERED WITH HOT-DIP GALVANIZED OR STAINLESS STEEL X 5 CRNi 18-10 BOLT PARTS.

— مشخصات فنی تجهیزات برقی پروژه مساحه سرواکی چهارده لایه کنند

15.10.1445



ACSR- Aluminum Connector for 20kV

MATERIAL	ALUMINUM
STANDARD	SRPS N. F4.106
Connector cross-section	16 -50 mm2
Color:	silver
Designed for connection of non-insulated Al and Cu conductors.	

قسم نگاره: ۱۵۳

مشخصات فنی تجهیزات برقی پروژه/ شرکت مهندسی و طراحی برق/ فاز ۱/ ۱۵.۱۰.۱۳۸۵

15.10.1385

Table: Technical Data for 20 kV Fiber pin Insulator

Description	Unit	Required	Offered
Manufacturer's Name		to be specified	
Type		pin insulator	
Material		silicon rubber	
Rated voltage	kV	24	
Power frequency withstand voltage:	KV	65	
Dry Lightning impulse withstand voltage:	KV	145	
Leakage distance	mm	610	
Min Arc distance	mm	215	
Section length	mm	305	
Specified mechanical load	KN	11	
Nominal diameter "D"	mm	to be specified	
Maximum height "H"	mm	to be specified	
Min. nominal creepage distance	mm	to be specified	
Number of the fiber	number	to be specified	
Unit weight	kg	to be specified	
With all necessary accessories for Installation incl. metal thimbles threaded for screwing on to steel spindles			
Reference standard		IEC 61109	

Make By:
DECON

Reviewed By:

Checked By:

Approved By:

15.10.1445

مکمل کاره: 38

شخصیات تحلیلی تجهیزات برقی پروژه مصلوبی احوالی چهارم در ولایت کند

Table: **Technical Data for 20 kV Fiber Tension Insulator**

Designation	Unit	Required	Offered
Manufacturer's Name		to be specified	
Type		tension insulator	
Material		silicon rubber	
Rated voltage	kV	24	
Minimum mechanical failing load	kN	70	
Height	MM	450	
Insulating distance Li.	MM	235	
Min.nominal creepage distance	MM	635	
Diameter of shed	MM	148/118	
1 min power frequency wet withstand voltage not less than	KV	42	
Full wave lightning impulse voltage (peak value)	KV	150	
Dry impulse withstand voltage:	KV	to be specified	
Minimum puncture voltage in oil	kV	to be specified	
Number of elements	number	to be specified	
Weight	kg	to be specified	
With all necessary accessories for installation standard		IEC 61109	

شخصیات منتخبی تجهیزات برقی پروژه سدای لاسوای چهارمرد و ولایت کندز

Make By:
DECON

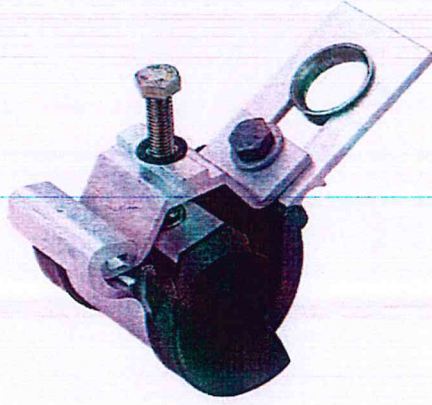
Reviewed By:

Checked By:

Approved By:

15.10.1445

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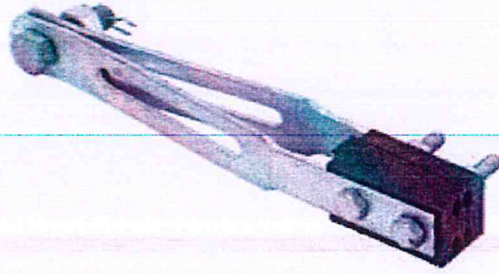
LV ABC Cable Suspension Clamp

MODEL	CROSS-SECTION(mm2)
SM140	4 X (35-120)

قطع کار: ۴۵

مشخصات فنی کلی تجهیزات برقی بر مبنای استاندارد و استاندارد

Aug
15.10.1445



AL-ABC - Tension Clamp

Usage	Line Fittings
Type	Tension Clamp
Conductor Range	4X(50-120)mm2
Application	Low Voltage 1kv
Materials	AL- Robber

قلم کار: 41

مشخصات فنی تجهیزات برقی پرندہ اسلامی کوکلی چهار دره ولایت کندز

15.10.1445