

CATALOGUE

TRACTION DISCONNECTORS

TYP QAV; EQAV

1,5 kV, 3000 A

Unser Handelspartner in Deutschland





GENERAL INFORMATION

The QAV and EQAV traction disconnectors are outdoor devices used for switching purposes in electric traction systems of all kind of public transport (such as tramways, troleybuses), in both railway and railway siding systems.

Advantages:

- completely adjusted device
- high overload
- rugged structure
- contact system with reduced voltage drop
- double insulation
- earthing switch on the left and on the right
- hand and drive control
- environment friendly instruments
- silver-coated current-carrying path
- current-carrying path made from high-conductivity copper (99.9% of Cu)
- breaking capacity
- hand or motor drive

STANDARDS AND REGULATIONS

As to the dielectric strength of insulation, the QAV and EQAV disconnectors comply with the specified conditions if TDP 010/10/93 regulations and the respective ČSN 34 1500, ČSN 35 4205 (egv IEC 694), ČSN 34 5640 standards.

OPERATING CONDITIONS

Traction disconnectors are designed for outdoor operating conditions

PACKING, TRANSPORT, STORAGE

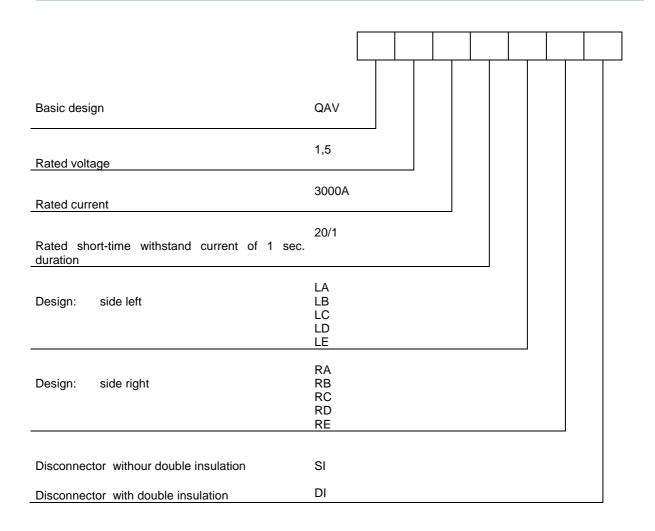
Traction disconnectors for electric traction are supplied as separate devices, attached to wooden pallets with any accessories.

All used packing materials are fully recyclable.

SPECIFICATION

Тур			QAV 1 QAV 1 QAV 1 QAV 1		EQAV 1 EQAV 1		
Rated voltage	Ur	kV	1,5	1,5	1,5		
Rated normal current	l _r	А	3000	3000	3000		
Rated short-time withstand current 1s	I _k	kA	20	20	20		
Lightning impulse test voltage 1,2/50 μs, 15 pulses		kV	75	75	75		
Power frequency test voltage in rain condition in dry condition 15 min		kV	20	20	20		
Mechanical lifetime minimum	C-O		10000	10000	10000		
Weight	kg		27	27,4	29,4		
Double insulation			no	yes	yes		
Earthing switch			no	no	yes		

DESIGNATION CODING - QAV

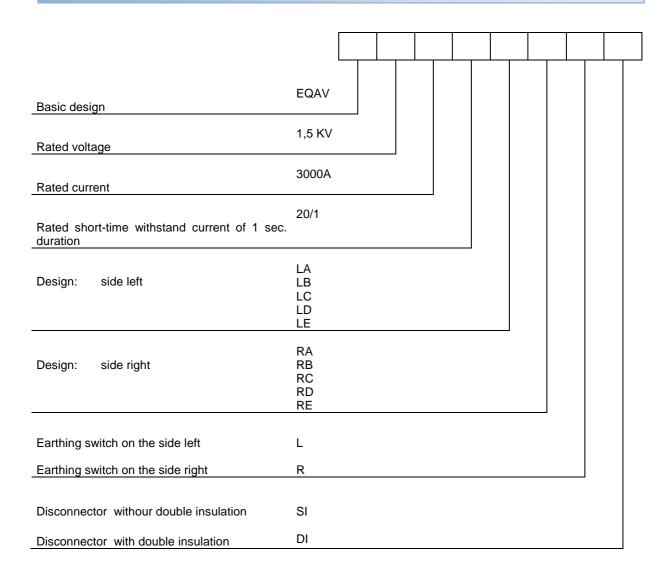


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EXAMPLE OF ORDERING WITH USING THE RESPECTIVE CODING DATA

Traction horn disconnector without earthing switch $\,$ QAV 1,5 kV, 3000 A, QAV 1,5.3000.20/1.LA.RA.DI

DESIGNATION CODING – EQAV (with earthing switch)

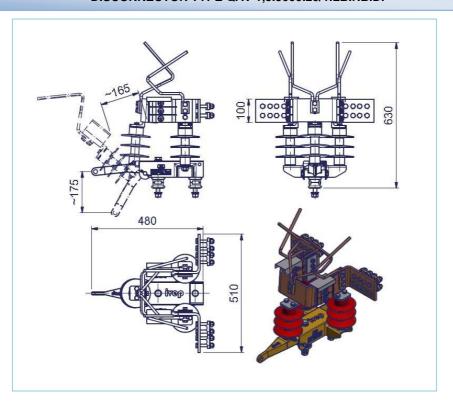


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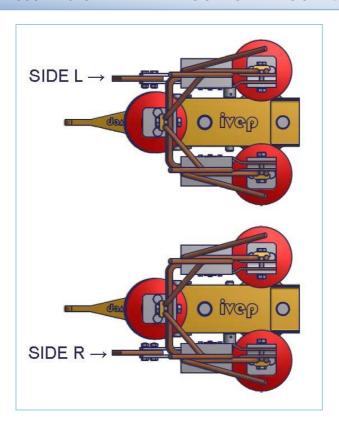
EXAMPLE OF ORDERING WITH USING THE RESPECTIVE CODING DATA

Traction horn disconnector with earthing EQAV 1,5 kV, 3000 A, EQAV 1,5.3000.20/1.LA.RA.L.DI

DISCONNECTOR TYPE QAV 1,5.3000.20/1.LB.RB.DI

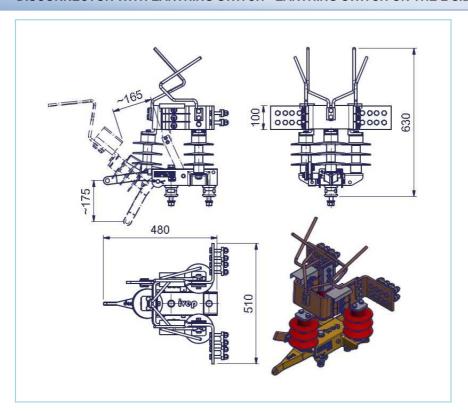


DISCONNECTOR WITH EARTHING SWITCH – VERSION L and R

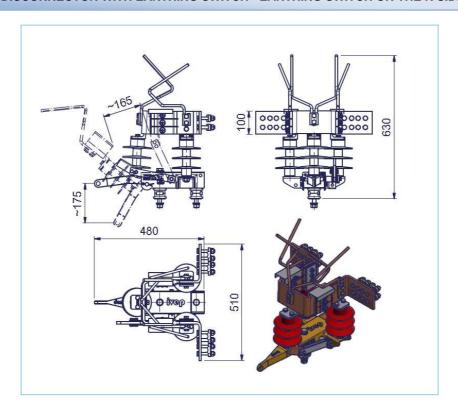


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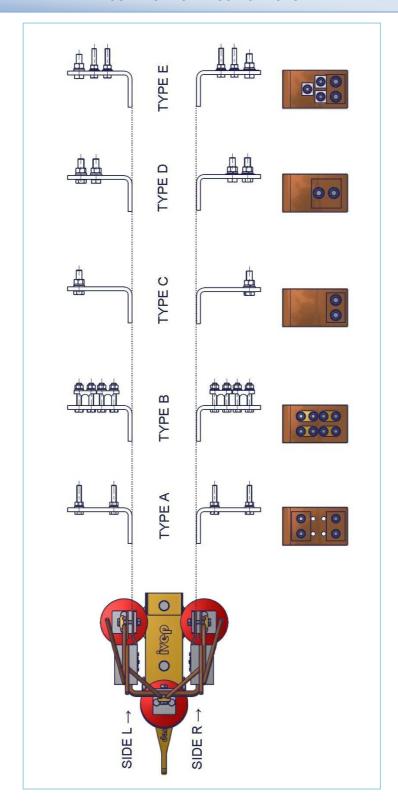
DISCONNECTOR WITH EARTHING SWITCH - EARTHING SWITCH ON THE L SIDE



DISCONNECTOR WITH EARTHING SWITCH - EARTHING SWITCH ON THE R SIDE



CONNECTING FLAGS – OPTIONS



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HAND DRIVES AND ACCESSORIES

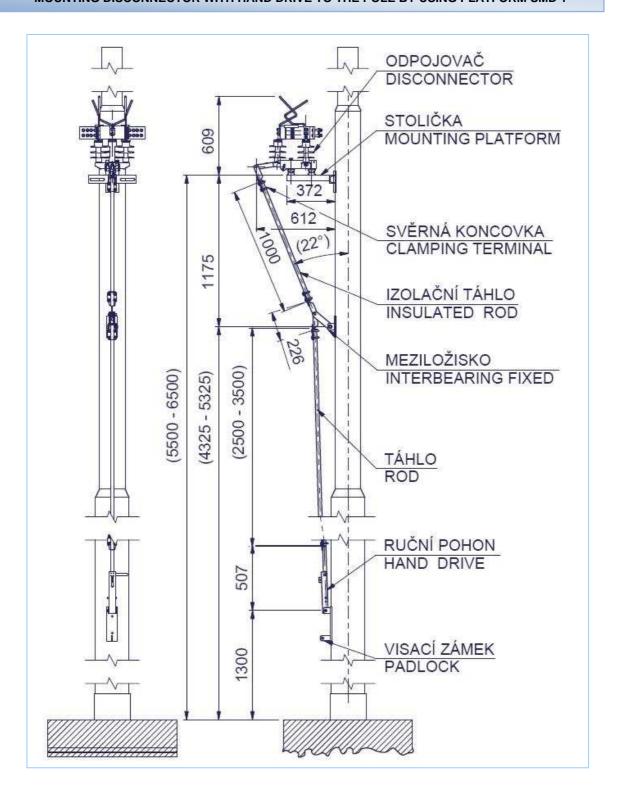
TRACTION DISCONNECTORS

TYP QAV; EQAV

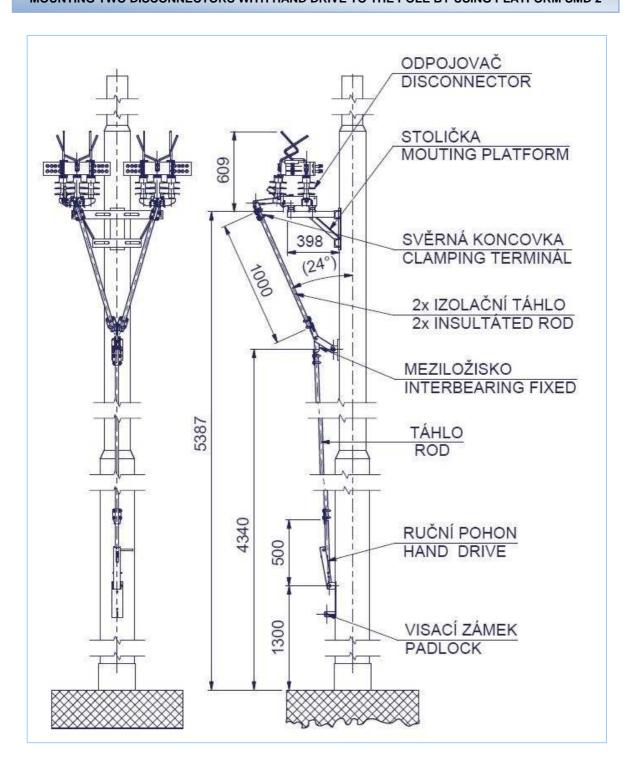
1,5 kV, 3000 A



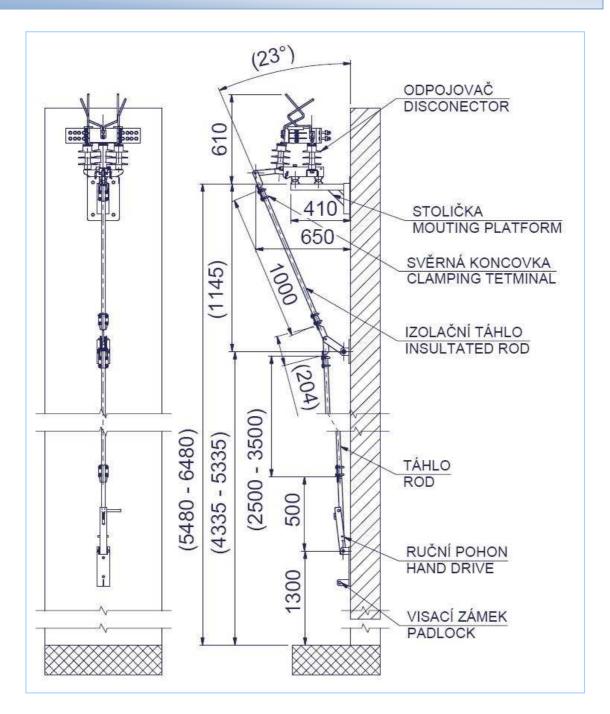
MOUNTING DISCONNECTOR WITH HAND DRIVE TO THE POLE BY USING PLATFORM SMD 1



MOUNTING TWO DISCONNECTORS WITH HAND DRIVE TO THE POLE BY USING PLATFORM SMD 2



MOUNTING TWO DISCONNECTORS WITH HAND DRIVE TO THE POLE BY USING PLATFORM SMD 3



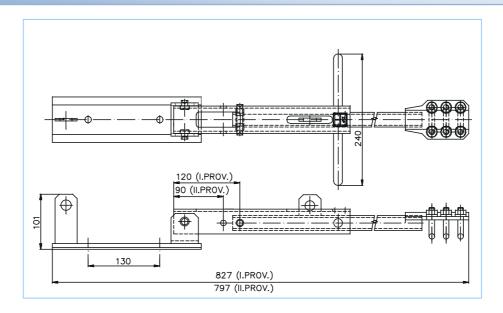
TYPE DESIGNATION CODING FOR THE ORDERING OF HAND DRIVE AND ACCESSORIES

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Basic design							
Hand drives for QAV a EQAV disconnector	PMD						
Trains divisor for Q. W. Q. E. Q. W. Globolinotter			1				
Hand operated drive with 200 mm stroke	200						
Double hand drive with 200 mm stroke	202						
Double hand drive with 140 mm stroke	140						
Options for the assembly and fastening							
Through connecting straps or bolts							
Intermediate bearings in sleeves and control levers connected through bands or bolts							
in sleves	3						
on the wall	4						
Lenght of pulling rod							
I = 2500 mm (for mounting of 5,5 m above ground)	1						
I = 3000 mm (for mounting of 5,5 to 6 m above ground)	2						
I = 3500 mm (for mounting of 6 to 6,5 m above ground)	3						
according to customers demand	4						
one pulling	0						
Assembly platform:						_	
platform to mount one SMD 1 disconnector in sleeves with bolts	1						
platform to mount one SMD 1 disconnector through connecting straps	11						
platform to mount two SMD 2 disconnector	2						
platform for wall mounting (arm length: 410 mm) SMD 3	3						
platform for wall mounting (arm length: 710 mm) SMD 4	4						
platform for wall mounting (arm length: 450 mm) SMD 4	5						
mounting without platform	0						

^{*)} The only difference consists in the design of connecting flags

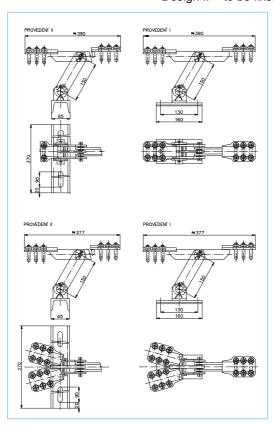
HAND OPERATED DRIVE



INTERMEDIATE BEARING FOR SINGLE TYPE DRIVE OR FOR DOUBLE TYPE DRIVE

Design I - to be fixed with fixing bands or bolts

Design II - to be fixed by using clip

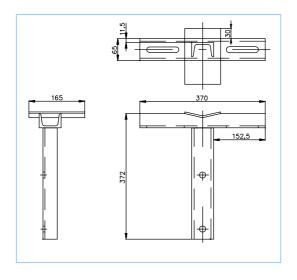


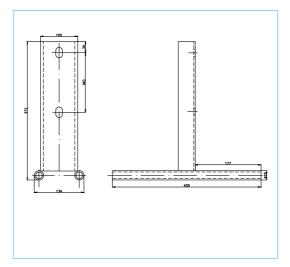
PLATFORM FOR MOUNTING ONE PIECE OF TRACTION DISCONNECTOR OR PLATFORM FOR MOUNTING TWO DISCONNECTORS OPERATED DOUBLE TYPE DRIVE

Platrorm for mounting one piece of traction disconnector on a pole

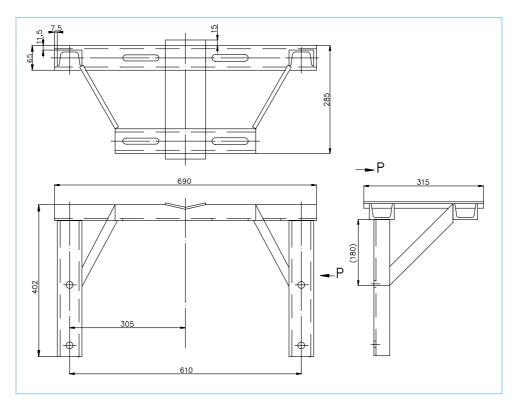
to be fixed by using clip

to be fixed with fixing bands

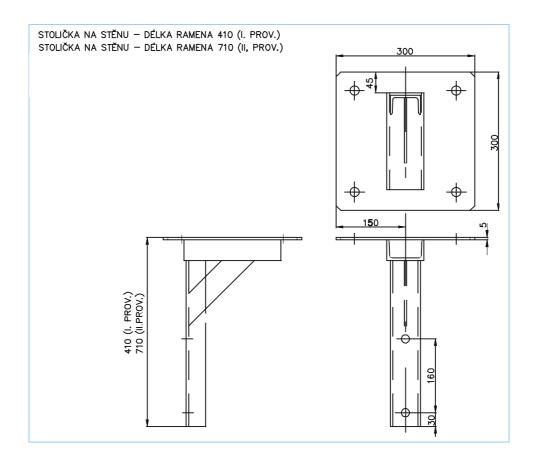




Platrorm for mounting two disconnectors operated double type drive - on a pole or on a wall



Platrorm for mounting one piece of traction disconnector on a wall



Due to continuous development of the products some dimensions, weights, drawings and descriptions may differ from that shown in this data sheet. In order to satisfy the ever increasing needs of the customers the manufacturer reserves the right to provide modifications to the product described, without previous notice.

Ihr Ansprechpartner in Deutschland



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