

LOAD DISCONNECTORS 12, 24, 38.5kV

Rade Koncar-TEP

OUTDOOR LOAD DISCONNECTORS - Type FLa 15/60 GBR

The FLa 15/60 GB R load disconnectors are general purpose switching devices, intended for installation on the top of pole, picture-1, at branch-offs, picture-3, or for mounting below the power line, picture-2.



picture-1



picture-2



picture-3

Technical data

Rated voltage	U_r	kV	25	38,5
rated current	I _r	A ¹⁾	400/630	400/630
rated short-time withstand current	I _k	kA	20	20
rated peak withstand current	I _p	kA	50	50
rated short-circuit making current	I _{ma}	kA ²⁾	18	11
rated breaking current - i cosφ 0,7, ind.	I _l	A	630	400
rated breaking current of closed loop	I ₂	A	400	400
rated breaking current of no-load transformer	I ₃	A	53	10
rated breaking current of no-load cable power line	I ₄	A	20	20
rated breaking current flowing into earth connection	I _{6a}	A	56	40
mechanical service life			5000xCO	5000xCO

¹⁾ The 400 A and 630 A switching devices differ only in the accessories supplied. By default the accessories is rated for 400 A; accessories for 630 A is delivered on request.

²⁾ For adequately quick manual operation

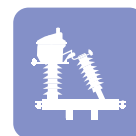
Withstand voltages

rated voltage	kV	25	38,5
rated short-time withstand power frequency voltage / 1min. to be applied in both dry and wet environmental conditions			
against the earth, across the poles and between disconnected contacts	kV	50	80
across the isolating distance	kV	60	90
rated lightning pulse withstand voltage			
against the earth, across the poles and between disconnected contacts	kV	125	180
across the isolating distance	kV	145	210

Climatic conditions

highest temperature	°C	+ 40
lowest temperature	°C	- 30
highest relative humidity	%	100
highest wind pressure	Pa (m/s)	700 (34)
admissible hoar frost	mm	20
typical altitude	m a. s.	up to 1000

Usages in higher altitudes please consult with producer.

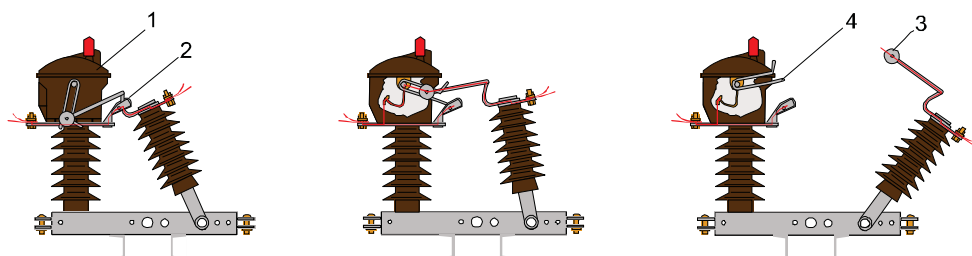


OUTDOOR LOAD DISCONNECTORS - Type FLa 15/60 GBR

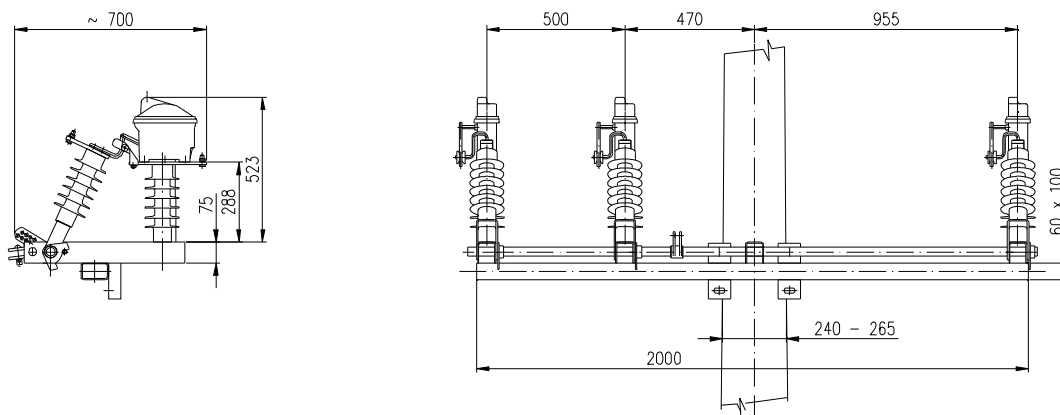
Extinguishing chambers

Tried and tested oil extinguishing chambers, parallelly connected to the main circuit, are provided with a quick-action switching mechanism. The extinguishing chambers are of an adequately sturdy structure ensuring that their tightness remains undamaged even under extreme service conditions. Each extinguishing chamber is filled with a quantity of about 0,5 l of Shell Diala D or Shell Fluid 4600 oil.

1 - Extinguishing chambers, 2 - Main circuit, 3 - Contact arm, 4 - Control lever



Three pole outdoor load disconnectors FLa 15/60 GBR for Ur of 25kV



Three pole outdoor load disconnectors FLa 15/60 GBR for Ur of 38,5kV

