

Cable accessories and connectors

GIS plug-in termination (2# & 3# interface)

TP-A 42 kV, 800 A 7 and TP-A 42 kV, 1250 A

GIS plug-in termination (2# interface) TP-A 42 kV, 800 A

Application

GIS plug-in cable termination for XLPE insulated 1-core or 3-core cable with Cu or Al conductor for 42 kV. Fit standard bushing of 2# inner cone GIS switch cabinet or transformer according to EN 50181.

Standard

GB/T 12706.4
IEC 60502.4

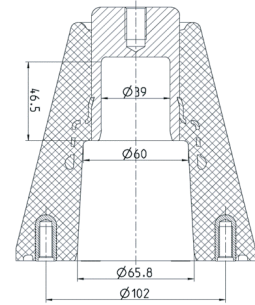
Features

- The cable termination mainly consists of plug-in contactor, stress cone and tail pipe
- Plug-in contactor
 - Compression cone connection which is safe and reliable
 - Easier installation rigid fixation and no special tools required
- Stress cone
 - Small and portable
 - 100% routine tests
 - Reliable for electricity and safety performance
- Contact us for installation tool which is required

Standard bushing



3# inner cone insulator



Dimension figure

42 kV, 800 A GIS plug-in cable termination selection guide

Type		Insulation diameter (mm)	Conductor cross section (mm ²)
Cu conductor	Al conductor		26/35 (40.5) kV
TP-A422--50	TP-A422-50AL	30.5 - 32.6	50
TP-A422-70	TP-A422-70AL	30.7 - 33.6	70
TP-A422-90	TP-A422-90AL	33.2 - 35.6	95
TP-A422-120	TP-A422-120AL	34.2 - 37.2	120
TP-A422-150	TP-A422-150AL	35.6 - 38.7	150
TP-A422-185	TP-A422-185AL	37.8 - 41.5	185

*Always select product by insulation diameter.

Brief technical specifications

TP-A422	
Voltage level Um	42 kV
Rated current	800 A
AC voltage withstand	117 kV, 5 min
Partial discharge	45 kV, <5 pC
Lightning impulse voltage	±200 kV, 10 times
Heat cycling test	No breakdown during 60 cycles at the conductor temperature of 95°C to 100°C and 65 kV

GIS plug-in termination (3# interface)

TP-A 42 kV, 1250 A

Application

GIS plug-in cable termination for XLPE insulated 1-core or 3-core cables with Cu conductor for 42 kV. Fit standard bushing of 3# inner cone GIS switch cabinet or transformer according to EN 50181 standard.

Standard

GB/T 12706.4
IEC 60502.4

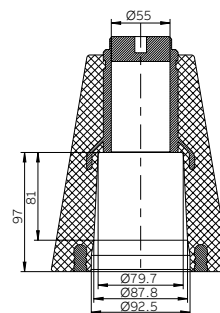
Features

- The cable termination mainly consists of plug-in contactor, stress cone and tail pipe
- Plug-in contactor
 - Spring contact connection which is safe and reliable
 - Inclined bolt for easier installation, rigid fixation and no special tools required

Standard bushing



3# inner cone insulator



Dimension figure

- Stress cone
 - Small and portable
 - 100% routine tests
 - Reliable for electricity and safety performance

36 kV, 630 A Premolded screened separable cable connector selection guide

Type*	Type**	Conductor diameter (mm)	Insulation diameter (mm)	Conductor section (mm ²) 26/35 kV
TP-A423-35C1	TP-A423-35C3	6.2 - 7.7	30 - 33.5	35
TP-A423-50C1	TP-A423-50C3	7.5 - 9	30 - 33.5	50
TP-A423-70C1	TP-A423-70C3	9 - 10.5	30 - 33.5	70
TP-A423-95C1	TP-A423-95C3	10.7 - 12.2	32.5 - 36.5	95
TP-A423-120C1	TP-A423-120C3	12.1 - 13.6	32.5 - 36.5	120
TP-A423-150C1	TP-A423-150C3	13.7 - 15.2	36 - 40	150
TP-A423-185C1	TP-A423-185C3	15.2 - 16.7	36 - 40	185
TP-A423-240C1	TP-A423-240C3	17.5 - 19	40 - 46.5	240
TP-A423-300C1	TP-A423-300C3	19.7 - 21.2	40 - 46.5	300
TP-A423-400C1	TP-A423-400C3	22.7 - 24.2	40 - 46.5	400
TP-A423-500C1	TP-A423-500C3	26 - 27.5	46.0 - 52.5	500
TP-A423-630C1	TP-A423-630C3	29 - 31	52.5 - 55.5	630

*C1 apply for 1-core with amour, **C3 apply for 3-ore with amour

Always select product by insulation diameter.

Brief technical specifications

TP-A423	
Voltage level Um	42 kV
Rated current	1250 A
AC voltage withstand	117 kV, 5 min
Partial discharge	45 kV, <5 pC
Lightning impulse voltage	±200 kV, 10 times
Heat cycling test	No breakdown during 60 cycles at the conductor temperature of 95°C to 100°C and 65 kV

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