

7XV75 Test Switch



Fig. 14/1 7XV75 test switch

Description

The 7XV75 test switch serves for testing protection relays including CT circuits and command contacts. With the help of the switches located on the front side, the current and voltage inputs as well as the circuits of the protection relay to be tested are interrupted and applied to the front side. Via this plug-in connector, currents and voltages can be fed by an injection test set and the different commands and indications can be tested.

Function overview

The following versions are available in a flush-mounting housing:

- For feeder protection without an open star point
- For feeder protection without an open star point and with additional contacts
- For feeder protection without an open star point for two CT cores or separate earth-fault CT
- For feeder protection with an open star point
- For feeder protection with an open star point and independently switchable trip and CT circuits
- For a 3-winding transformer differential protection
- For feeder protection without an open star point with 4th CT and 4th VT input (three-stage test switch)

Technical data

Test switch	
Rated operating voltage V_n	400 V AC
Rated operating current I_n	6 A
Test current capacity	for 1 s 150 A
	for 10 s 60 A
Unit design	
Metal housing	7XP20
Dimension	1/6 of 19" wide
Weight	Approx. 3.4 kg

Selection and ordering data

Description	Order No.
<i>7XV75 test switch</i>	<i>7XV750□-□CA00</i>
Without open star point for feeder protection	0
With open star point for feeder protection	1
For 3-winding transformer differential protection	2
Without open star point for two CT cores or separate earth-fault CT	3
Without open star point for feeder protection with 4 th CT and 4 th VT input (three-stage test switch)	6
Without open star point for feeder protection and with additional contacts	7
With open star point and independently switchable trip and CT circuits for feeder protection	8
<i>Front test plug connection</i>	
With 16-pin Harting connector	0
With 16 banana connectors (not available for 7XV7506)	1
<i>Connecting cable 7XV6201 for 7XV75 test switch with 2 meter cable</i>	
with 16-pin Harting connector and 17 isolated banana connectors 4 mm with cable marks	7XV6201-5
with 16-pin Harting connector and 17 cable end sleeves with cable marks	7XV6201-6