Leseprobe



Dr.-Ing. Paul Christiani GmbH & Co. KG www.christiani.de



Christian Kemper · Hermann Wellers

Vocational training –

Principles of electrical engineering

Section: Trainer manual (content, methods, scheduling)

1st edition 2018

Dr.-Ing. Paul Christiani GmbH & Co. KG



Preface

All information provided in this trainer manual should be viewed as proposals.

Although all exercises have been planned and performed by trainees, which is one way in which the specified times were determined, it is of course left to the trainers responsible to determine how best to use the methods proposed, the slides offered and the respective timeframe based on their actual study group. All of this can only be done on a case-by-case basis once "on site".

It is also down to the trainer to determine whether the forms offered or internal company forms should be used, which can for example prove particularly prudent in the case of test and measurement reports.

This vocational training includes basic knowledge and skills that are always conveyed at the start of the training.

The question is then whether the trainees are already capable of performing electrical tests as per DIN VDE 0701-0702 or DIN VDE 0100-600 at this time.

An indispensable prerequisite for performing tests of this kind is knowledge of the technological backgrounds, which cannot always be assumed at this time. Trainers must therefore reach a decision on this for their respective groups. It is no problem to remove this topic from the schedule and assessment so that it can be addressed at a later stage.

The tests as per DIN VDE 0701-0702 are described in the textbook, insofar as they are relevant for performing the exercises.

With regard to the tests as per DIN VDE 0100-600, we make reference to the dedicated vocational training on

Commissioning as per DIN VDE 0100-600.

A conscious decision was taken to omit reference identifiers in the practical exercises, as it should be left to the trainers to decide whether the identification as per DIN EN 81346-2 should be performed using only the main class or both the main class and sub-class.

It is important to note that you can find the slides, solutions to the exercises, forms and further useful media for your work in the MOLA¹) app.

¹⁾ MOLA: My Own Learning App







Time (min)	Goals – Content – Schedule – Notes					Media
	The trainest	ro provided with	notored-	to operate the	hot rolovent inf	
	tion from the p	re provided with resentation or the	notepads ne technica	το ensure t I discussio	nat relevant info n can be record	orma- led in
	writing.					
			Noto-			
			NOTES			
						Notepad
	Sheet:	Last name:			Date:	
		Department:				
	These notepad	ls can be used i	n various w	ays. For ex	ample, they car	n also
	be used to ske	tch out the circu	lits to be de	eveloped.		
	There is no lin	nit on the numbe	er of notepa	ids, as they	too form part	of the
	additional algi					
			Trainor more	2		Electrical











