

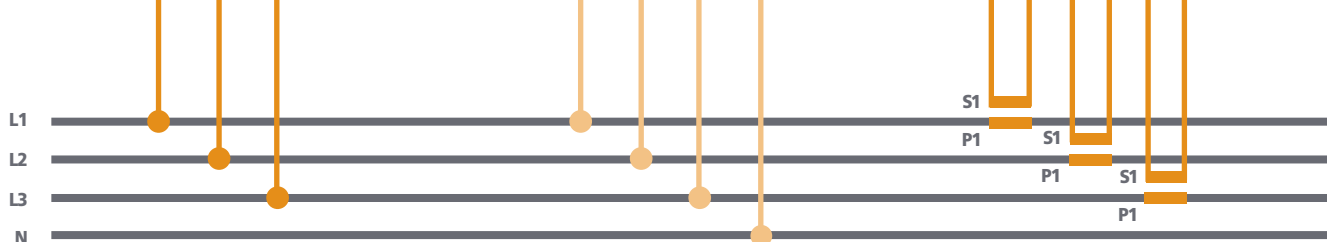
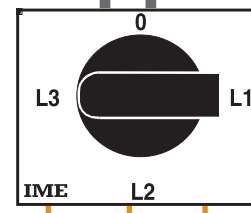
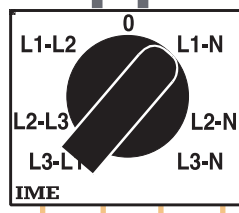
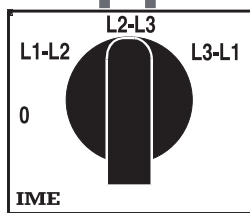
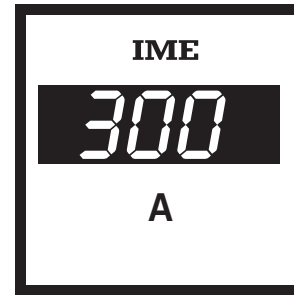
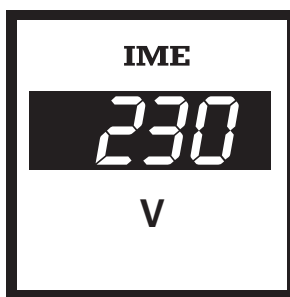
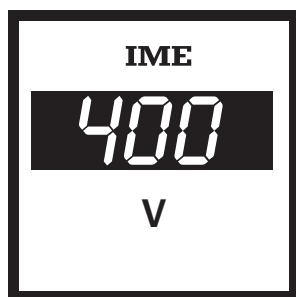
**Commutatori trifase  
 di misura  
 48x48mm**

**Measuring 3-phase  
 switches  
 48x48mm**

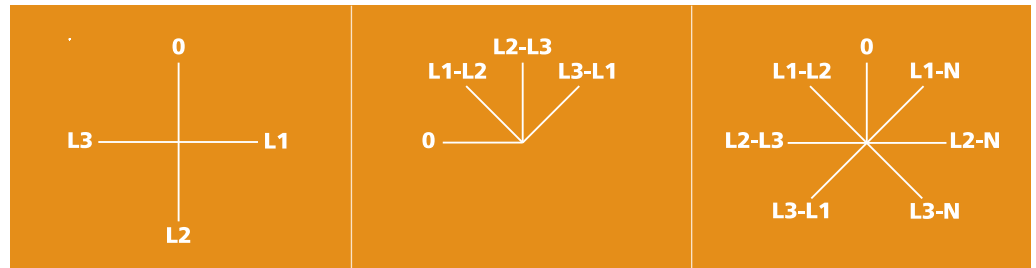
**C48**

Commutatore amperometrico, 3 correnti  
 Commutatore voltmetrico, 3 tensioni concatenate  
 Commutatore voltmetrico, 3 tensioni concatenate + 3 tensioni di fase  
 Consentono l'utilizzo di un unico indicatore per la misura, a scansione, delle tensioni di fase o concatenate oppure delle correnti in un sistema trifase

Ammetric switches, 3 currents  
 Voltmetric switches, 3 linked voltages  
 Voltmetric switches, 3 linked voltages + 3 phase voltages  
 It allows to use only one meter to measure, by scanning, the linked and phase voltages or the currents in a three-phase system



CODICI DI ORDINAZIONE ORDERING CODE	DESCRIZIONE DESCRIPTION	SCHEMI DIAGRAMS
AV104	Amperometrico, 3 correnti / Ammetric, 3 currents	S.800/17
AV105	Volmetrico 3 tensioni concatenate / Voltmetric, 3 linked voltages	S.800/18
AV106	Volmetrico 3 tensioni concatenate + 3 tensioni di fase / Voltmetric, 3 linked voltages + 3 phase voltages	S.800/19



CODICE CODE	AV104	AV105	AV106
POSIZIONI POSITIONS	4	4	7
CORRENTE DI FASE PHASE CURRENT	I1		
	I2		
	I3		
TENSIONE CONCATENATA LINKED VOLTAGE			L1 - L2
			L2 - L3
			L3 - L1
TENSIONE DI FASE PHASE VOLTAGE			L1 - N
			L2 - N
			L3 - N
POSIZIONE DI RIPOSO REST POSITION	1	1	1

#### INGRESSO

Tensione nominale di impiego  $U_e$  (EN 60947-3): 690V

Corrente nominale di impiego  $I_e$  (EN 60947-3): 12A

Frequenza nominale: 50Hz

Frequenza di impiego: 47...63Hz

Corrente nominale termica, in aria  $I_{th}$  (EN 60947-3): 16A

Corrente nominale termica, in cassetta  $I_{the}$  (EN 60947-3): 12A

#### INPUT

Rated operating voltage  $U_e$  (EN 60947-3): 690V

Rated operating current  $I_e$  (EN 60947-3): 12A

Rated frequency: 50Hz

Rated operating frequency: 47...63Hz

Free air thermal current  $I_{th}$  (EN 60947-3): 16A

Enclosed thermal current  $I_{the}$  (EN 60947-3): 12A

#### Corrente nominale d'impiego $I_e$ corrente alternata Operating current $I_e$ alternating current

IMPIEGO OPERATING	$U_e$ Tensione Impiego Operating voltage	$I_e$ ca/ac Corrente Impiego Operating current	$P_e$ Potenza Impiego Operating power	
AC-21A Carichi Resistivi / Resistive Load AC-22A Carichi Misti / Mixed Load	690V	12A	-	
AC-23A Motori Carichi fortemente induttivi Periodic switching of motors	1 fase-2 poli Single-phase 1-pole	110V	12A	
		230V	12A	
	3 fasi-3 poli Three-phase 3-pole	230V	10A	3.000W
		400V	10A	5.500W
		500V	10A	7.500W
AC-3 Motori a gabbia: avviamento - arresto Starting of cage motors	1 fase-2 poli Single-phase 2-pole	110V	10A	
		230V	10A	
	3 fasi-3 poli Three-phase 3-pole	230V	8A	2.200W
		400V	8A	4.000W
		500V	8A	5.500W
	690V	6A	5.500W	

Corrente nominale di breve durata  $I_{cw}$  (1s): 300A

Potere nominale di chiusura sotto cortocircuito  $I_{cm}$ : 1.200A

Rated short-time current  $I_{cw}$  (1s): 300A

Rated short circuit making capacity  $I_{cm}$ : 1.200A

## ISOLAMENTO

Gruppo materiale (EN60947-1): II

Classe di inquinamento (EN60947-1): 3

Tensione di riferimento per l'isolamento: 690V

Tensione nominale di tenuta a impulso Uimp(sezionatore): 4kV

## CONDIZIONI AMBIENTALI

Temperatura di impiego: -25...55°C

Temperatura di magazzino: -30...70°C

## CUSTODIA

Custodia: incasso

Frontale: 48x48mm

Conessioni: morsetti fissaggio a vite

Portata morsetti: cavo rigido min.0,75mm<sup>2</sup> / max. 4mm<sup>2</sup>  
cavo flessibile min.0,75mm<sup>2</sup> / max. 4mm<sup>2</sup>

Identificazione morsetti: EN50013

Grado di protezione (EN60529): IP65 comandi, IP20 morsetti

Peso: 180 grammi

## INSULATION

Material group (EN60947-1): II

Pollution degree (EN60947-1): 3

Insulation voltage rating: 690V

Rated impulse withstand voltage Uimp (sectionable): 4kV

## ENVIRONMENTAL CONDITIONS

Operating temperature: -25...55°C

Storage and transport temperature: -30...70°C

## HOUSING

Housing: flush mounting

Front frame: 48x48mm

Connections: screw terminals

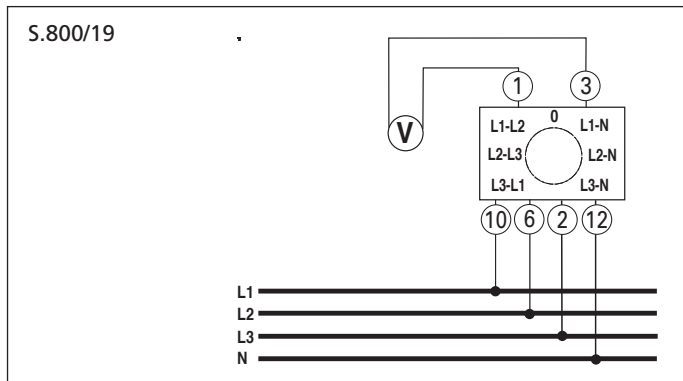
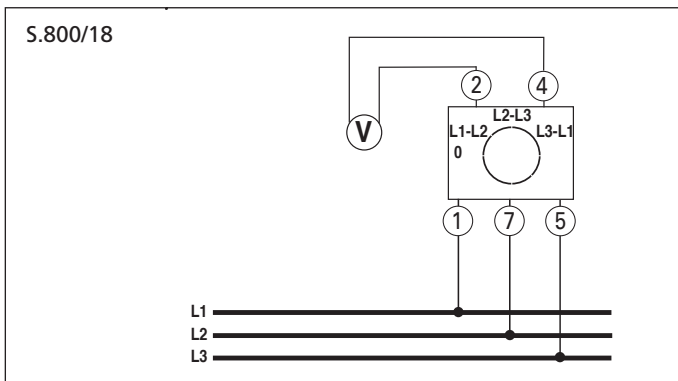
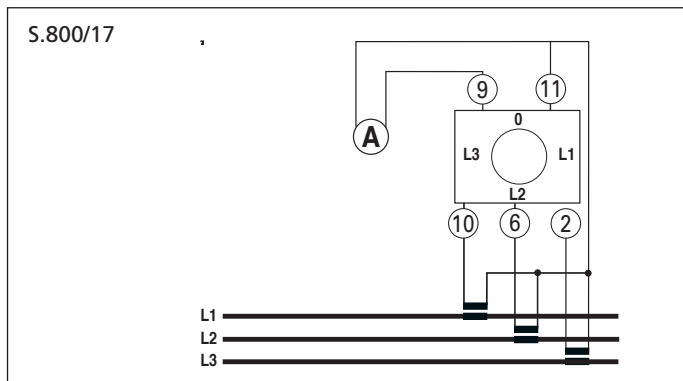
Terminals: rigid cable min.0,75mm<sup>2</sup> / max. 4mm<sup>2</sup>  
flexible cable min.0,75mm<sup>2</sup> / max. 4mm<sup>2</sup>

Terminals numbering: according to EN50013

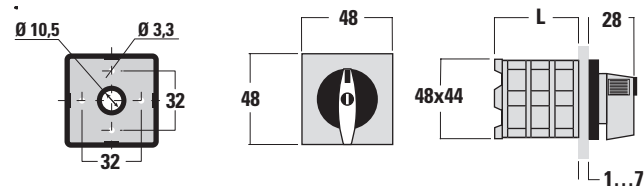
Protection degree (EN60529): IP65 controls, IP20 terminals

Weight: 180 grams

## SCHEMI D'INSERZIONE WIRING DIAGRAMS



## DIMENSIONI DIMENSIONS



AV105 (L=53) / AV104 - 106 (L=63)