



VCFN12GE

Identification System

Mini-Vario and Vario rotary manual motor-control switches from 12–175 A are suitable for on-load making and breaking of resistive or mixed resistive inductive circuits where frequent operation is required. They can also be used for direct switching of motors in utilization categories AC-3 and DC-3 specific to motors. Vario manual motor-control switches are suitable for isolator applications with fully visible indication (since the handle cannot be in the open position unless all the contacts are actually open and separated by the appropriate isolating distance), and the handles are padlockable.

The Mini-Vario and Vario catalog numbers are described in Table 8.1.

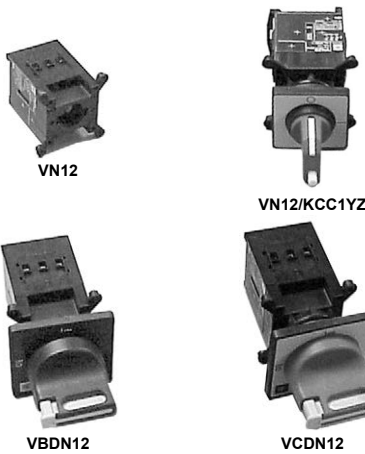
Table 8.1: Identification System

		V	CF	N12	GE
Model (V-Vario, K-Operator)					
Operator Type/ Accessory Designation					
CD	Single hole Red & Yellow				
CF	Four hole Red & Yellow				
CCD	Single hole Red & Yellow w/ extension shaft				
CCF	Four hole Red & Yellow w/ extension shaft				
Blank	No operator or accessory				
BD	Single hole Black and Gray				
BF	Four hole Black and Gray				
VE	Switch with Red handle installed on unit (one padlock only)				
VD	Switch with Black handle installed on unit (no padlock provision)				
Z	Accessory, power pole, neutral or ground				
Switch Type (Switches and contacts are dual rated, UL/IEC).					
Blank		1	Vario 20/32 A		
N12	Mini-Vario 10/12 A	2	Vario 25/40 A		
N20	Mini-Vario 16/20 A	3	Vario 45/63 A		
02	Vario 10/12 A	4	Vario 63/80 A		
01	Vario 16/20 A	5	Vario 100/125 A		
0	Vario 20/25 A	6	Vario 115/175 A		
Enclosure Type (if applicable)					
Blank	No Enclosure	G30, A30, W30 Type 1/12/4/4X			
GE	Mini-Vario IP55 Non-Metallic	Metallic (Class 9421)			
		GU Vario IP55 Non-Metallic			

Mini-Vario

Table 8.2: Assembled Switches—Degree of Protection IP65, Type 1 and 12

Rating (A)		Complete Switches for Door Mounting (3-Padlock)		Complete Switches for Rear Mounting, Includes Extension Shaft (3-Padlock)
		Red/Yellow (Single Hole)	Black/Gray (Single Hole)	Red/Yellow (Single Hole)
UL	IEC	Catalog No.	Catalog No.	Catalog No.
10	12	VCDN12	VBDN12	VCCDN12
16	20	VCDN20	VBDN20	VCCDN20



VN12

VN12/KCC1YZ

VBDN12

VCDN12

Table 8.3: Mini-Vario Enclosed Switches

Catalog No.	Complete Switches Mounted in IP55 Non-Metallic Enclosure	
	Description	
VCFN12GE	Red/Yellow Mounted In Sealable Enclosure, Non-UL Listed, Non-NEMA Rated	
VCFN20GE		

Table 8.4: Component Parts

Catalog No.	Description
VN12 [1]	10/12 A switch only
VN20 [1]	16/20 A switch only
VZN12 [1]	Add on power pole for 10/12 A switch
VZN20 [1]	Add on power pole for 16/20 A switch
VZN11	Neutral Pole with early make, late break for VN12 or VN20 switch
VZN14	Grounding module for VN12 or VN20
VZN05	N.O. late make auxiliary contact [2]
VZN06	N.C. early break auxiliary contact [2]
VZN26	Single-pole shroud for auxiliary contacts
VZN08	Three-pole shroud for VN12 or VN20

Table 8.5: Operators and Accessories

Catalog No.	Description
KCC1YZ	45 x 45 mm Red & Yellow operator
KCD1PZ	60 x 60 mm Red & Yellow operator
KAD1PZ	60 x 60 mm Black & Gray operator
VZN17	300–340 mm shaft extension
VZN30	400–430 mm shaft extension
KZ32	Door interlocking plate for 45 or 60 mm operator
KZ83	Door mounting plate for 45 or 60 mm operator



VCCDN20

[1] Switches/contacts are dual rated (UL/IEC).
[2] Auxiliary contacts are dual rated (UL/IEC 10/12 A).