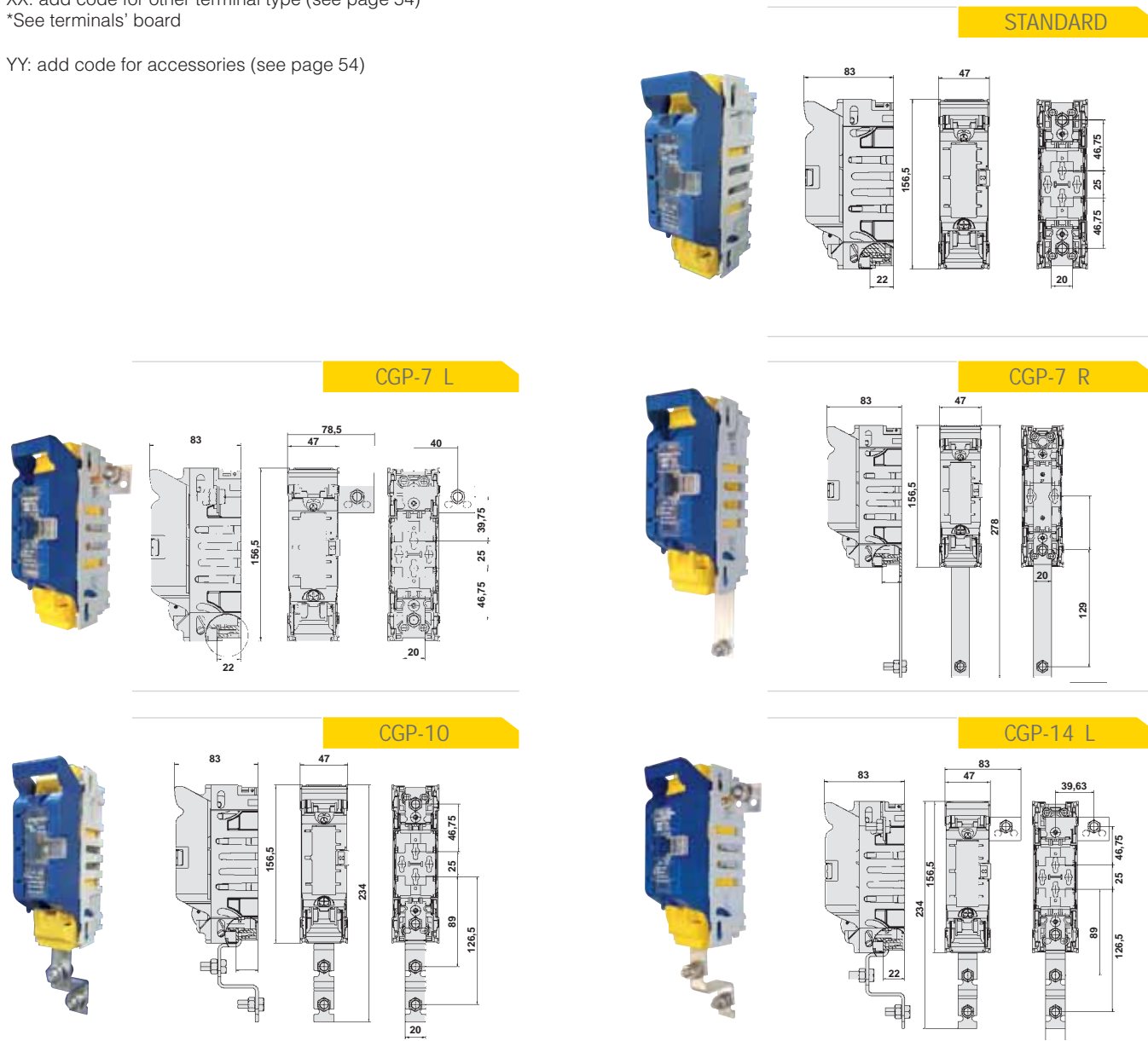


One pole LV Fuse switches - NHC 100/160A

Reference	Type	Current	Fuse link	Connection
422.1.4.1.06.YY	STD	160 A	NH-00	M8A2
422.1.4.1.02.YY	STD	160 A	NH-00	M10A2
422.1.4.1.XX.YY	STD	160 A	NH-00	*Code page 54
422.2.4.1.06.YY	CGP-7 R	160 A	NH-00	M8A2
422.2.4.1.02.YY	CGP-7 R	160 A	NH-00	M10A2
422.2.4.1.XX.YY	CGP-7 R	160 A	NH-00	*Code page 54
422.4.4.1.06.YY	CGP-10	160 A	NH-00	M8A2
422.4.4.1.02.YY	CGP-10	160 A	NH-00	M10A2
422.4.4.1.XX.YY	CGP-10	160 A	NH-00	*Code page 54
422.7.4.1.06.YY	CGP-7 L	160 A	NH-00	M8A2
422.7.4.1.02.YY	CGP-7 L	160 A	NH-00	M10A2
422.7.4.1.XX.YY	CGP-7 L	160 A	NH-00	*Code page 54
422.8.4.1.06.YY	CGP-14 L	160 A	NH-00	M8A2
422.8.4.1.02.YY	CGP-14 L	160 A	NH-00	M10A2
422.8.4.1.XX.YY	CGP-14 L	160 A	NH-00	*Code page 54

XX: add code for other terminal type (see page 54)  
 \*See terminals' board

YY: add code for accessories (see page 54)



## Technical data NHC one pole LV fuse switches

One pole LV fuse switches NH 00/1/2  
NHC 160 / 250 / 400 A (one pole LV fuse switches reference 422)

IEC / EN 60947		Type →	NHC					
			Type 422 160 A		Type 422 250 A		Type 422 400 A	
<b>Electrical characteristics</b>	Rated operational voltage	$U_e$ (V)	500	690	500	690	500	690
	Rated operational current	$I_e$ (A)	160	100	250	200	400	315
	Conventional free air thermal current with fuses	$I_{th}$ (A)	160	100	250	200	400	315
	Conventional free air thermal current with solid links	$I_{th}$ (A)	210		300		500	
	Rated frequency	(Hz)	50					
	Rated insulation voltage	$U_i$ (V)	1000					
	Rated conditional short-circuit current	( $kA_{eff}$ )	50					
	Utilization category	--	AC-22B					
	Rated making capacity	(A)	480	300	750	600	1200	945
	Rated breaking capacity	(A)	480	300	750	600	1200	945
	Rated impulse withstand voltage	$U_{imp}$ (kV)	20					
	Operating cycles with current	--	200					
	Total power loss at $I_{th}$ (without fuse)	$P_V$ (W)	3,16	1,76	8	6	12	9
<b>Mechanical characteristics</b>	Weight	(kg)	0,276		1,256		1,356	
	Operating cycles without current	--	1400	1700	1400	1400	800	1400
<b>Fuse links</b>	Size to IEC / EN 60269	--	00		1		2	
	Max. rated current (gL/gG)	$I_n$ (A)	160	100	250	200	400	315
	Max. permis. power loss per fuse-link	$P_V$ (W)	10	12	23	32	34	45
<b>Terminals</b>	Bolt terminal	Diameter	--	M8/M10		M10		
		Cable lug	(mm <sup>2</sup> )	up to 150			240	
		Torque	(Nm)	10/32		32		
	Prism terminal	Wire section	--	16-95		--		
		Torque	(Nm)	2,6-2,6-4,5		--		
	Bimetallic terminal	Wire section	--	50-95-150		up to 240		
Torque		(Nm)	2,6-4,5-11		21			
<b>Protection level</b>	Front operated switchgear fitted	--	IP30		IP20			
<b>Operating Conditions</b>	Ambient temperature	(°C)	-25 to +55 *(1)					
	Rated operating mode	--	continuous operation					
	Actuation	--	dependant manual operation					
	Mounting position	--	vertical / horizontal					
	Altitude	(m)	up to 2000					
	Pollution degree	--	3					
	Overvoltage category	--	IV					

\*(1) 35°C normal temperature, at 55°C with reduced operating current