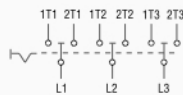


# ON LOAD CHANGE-OVER-SWITCHES

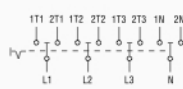
DIN-Railmounting	Maintenance switch, plastic enclosed	IP65
Type	Type	
T NLT 16/ 3T/ Z20 HLT 16/ 3T/ Z20	RLT 16/ 3PM-D1/ Z33	
NLT 25/ 3T/ Z20 HLT 25/ 3T/ Z20	RLT 25/ 3PM-D1/ Z33	
NLT 32/ 3T/ Z20 HLT 32/ 3T/ Z20	RLT 32/ 3PM-D1/ Z33	
NLT 40/ 3T/ Z20 HLT 40/ 3T/ Z20	RLT 40/ 3PM-D1/ Z33	
NLT 63/ 3T/ Z20 HLT 63/ 3T/ Z20	RLT 63/ 3PM-D2/ Z33	
NLT 80/ 3T/ Z20 HLT 80/ 3T/ Z20	RLT 80/ 3PM-D2/ Z33	
NLT 100/ 3T/ Z20 HLT 100/ 3T/ Z20	RLT 100/ 3PM-D3/ Z33	
NLT 125/ 3T/ Z20 HLT 125/ 3T/ Z20	RLT 125/ 3PM-D3/ Z33	
	RLT 180/ 3K4/ Z20	
	RLT 250/ 3K4/ Z20	

## Connection diagram

### 3-pole



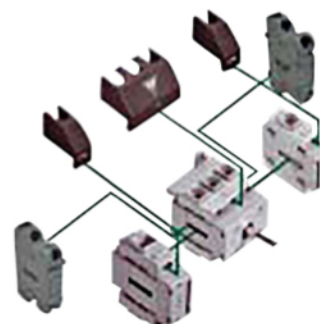
### 4-pole



Thermal rated current $I_{th}$ (in A)	Rated perf. at 3x400V (in kW)		4-Hole mounting		DIN-Railmounting	
	$I_{th}$	AC3	AC23	Type	Type	
25	7,5	9,5	E	ULT 25/ 3E	T	ULT 25/ 3T
32	9,5	11,5		ULT 32/ 3E		ULT 32/ 3T
40	11,0	20,0		ULT 40/ 3E		ULT 40/ 3T
63	18,5	22,5		ULT 63/ 3E		ULT 63/ 3T
80	22,0	30,0		ULT 80/ 3E		ULT 80/ 3T
100	30,0	37,0		ULT 100/ 3E		ULT 100/ 3T
125	37,0	45,0		ULT 125/ 3E		ULT 125/ 3T
180	75,0	90,5		ULT 180/ 3E		
250	110,0	132,0		ULT 250/ 3E		
25	7,5	9,5	E	ULT 25/ 4E	T	ULT 25/ 4T
32	9,5	11,5		ULT 32/ 4E		ULT 32/ 4T
40	11,0	20,0		ULT 40/ 4E		ULT 40/ 4T
63	18,5	22,5		ULT 63/ 4E		ULT 63/ 4T
80	22,0	30,0		ULT 80/ 4E		ULT 80/ 4T
100	30,0	37,0		ULT 100/ 4E		ULT 100/ 4T
125	37,0	45,0		ULT 125/ 4E		ULT 125/ 4T
180	75,0	90,5		ULT 180/ 4E		
250	110,0	132,0		ULT 250/ 4E		

T NLT 16/ 4T/ Z20 HLT 16/ 4T/ Z20	RLT 16/ 4PM-D1/ Z33
NLT 25/ 4T/ Z20 HLT 25/ 4T/ Z20	RLT 25/ 4PM-D1/ Z33
NLT 32/ 4T/ Z20 HLT 32/ 4T/ Z20	RLT 32/ 4PM-D1/ Z33
NLT 40/ 4T/ Z20 HLT 40/ 4T/ Z20	RLT 40/ 4PM-D1/ Z33
NLT 63/ 4T/ Z20 HLT 63/ 4T/ Z20	RLT 63/ 4PM-D2/ Z33
NLT 80/ 4T/ Z20 HLT 80/ 4T/ Z20	<b>RLT 80/ 4PM-D2/ Z33</b>
NLT 100/ 4T/ Z20 HLT 100/ 4T/ Z20	RLT 100/ 4PM-D3/ Z33
NLT 125/ 4T/ Z20 HLT 125/ 4T/ Z20	RLT 125/ 4PM-D3/ Z33
	RLT 180/ 4K4/ Z20
	RLT 250/ 4K4/ Z20

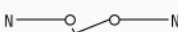
## ADDITIONAL- AND AUXILIARY CONTACTS



### ADDITIONAL CONTACTS

Switch size	Constr. form E+ZM	Constr. form V+T
LT 16, 20A, 25A	NVG 20AE	NVG 20AV
LT 25-40	NVG 40E	NVG 40V
LT 63-80	NVG 80E	NVG 80V
LT 100-125	NVG 125E	NVG 125V
LT 180-250	NVG 250E	NVG 250V
LT 16, 20A, 25A	NGG 20AE	NGG 20AV
LT 25-40	NGG 40E	NGG 40V
LT 63-80	NGG 80E	NGG 80V
LT 100-125	NGG 125E	NGG 125V
LT 180-250	NGG 250E	NGG 250V
LT 16, 20A, 25A	N / PE 20AE	N / PE 20AV
LT 25-40	N / PE 40E	N / PE 40V
LT 63-80	N / PE 80E	N / PE 80V
LT 100-125	N / PE 125E	N / PE 125V
LT 180-250	N / PE 250E	N / PE 250V

### Neutral Pole (early make)



### Neutral Pole (simultaneous make)



### Neutral Pole (solid neutral)



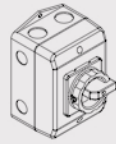
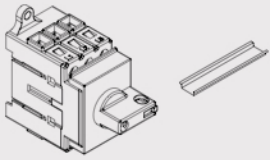
### AUXILIARY CONTACTS (1NO + 1NC)

LT 16-250	HE11	HV11
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## DIN-Railmounting

## Maintenance switch, plastic enclosed



IP65

Type

Type

T	NLO 16/ 3T/ Z20C HLO 16/ 3T/ Z20C	RLO 16/ 3PM-D1/ Z33
	NLO 25/ 3T/ Z20C HLO 25/ 3T/ Z20C	RLO 25/ 3PM-D1/ Z33
	NLO 32/ 3T/ Z20C HLO 32/ 3T/ Z20C	RLO 32/ 3PM-D1/ Z33
	NLO 40/ 3T/ Z20C HLO 40/ 3T/ Z20C	RLO 40/ 3PM-D1/ Z33
	NLO 63/ 3T/ Z20C HLO 63/ 3T/ Z20C	RLO 63/ 3PM-D2/ Z33

T	NLO 16/ 4T/ Z20C HLO 16/ 4T/ Z20C	RLO 16/ 4PM-D1 /Z33
	NLO 25/ 4T/ Z20C HLO 25/ 4T/ Z20C	RLO 25/ 4PM-D1 /Z33
	NLO 32/ 4T/ Z20C HLO 32/ 4T/ Z20C	RLO 32/ 4PM-D1/ Z33
	NLO 40/ 4T/ Z20C HLO 40/ 4T/ Z20C	RLO 40/ 4PM-D1 /Z33
	NLO 63/ 4T/ Z20C HLO 63/ 4T/ Z20C	RLO 63/ 4PM-D2 /Z33

T	NLO 16/ 6T/ Z20 HLO 16/ 6T/ Z20	RLO 16/ 6PM-D2/ Z33
	NLO 25/ 6T/ Z20 HLO 25/ 6T/ Z20	RLO 25/ 6PM-D2/ Z33
	NLO 32/ 6T/ Z20 HLO 32/ 6T/ Z20	RLO 32/ 6PM-D2/ Z33
	NLO 40/ 6T/ Z20 HLO 40/ 6T/ Z20	RLO 40/ 6PM-D2/ Z33
	NLO 63/ 6T/ Z20 HLO 63/ 6T/ Z20	RLO 63/ 6PM-D2/ Z33

## ADDITIONAL- AND AUXILIARY CONTACTS

	Switch size	Constr. form E+ZM	Constr. form V+T	
<b>Neutral pole (early make)</b> 	LO 16 NVGO 16E NVGO 16V	LO 25 NVGO 25E NVGO 25V	LO 32 NVGO 32E NVGO 32V	
	LO 40 NVGO 40E NVGO 40V	LO 63 NVGO 63E NVGO 63V		
	<b>Neutral pole (simultaneous make)</b> 	LO 16 NGGO 16E NGGO 16V	LO 25 NGGO 25E NGGO 25V	LO 32 NGGO 32E NGGO 32V
		LO 40 NGGO 40E NGGO 40V	LO 63 NGGO 63E NGGO 63V	
		<b>Neutral pole (solid neutral)</b> 	LO 16 N/PEO 16E N/PEO 16V	LO 25 N/PEO 25E N/PEO 25V
LO 40 N/PEO 40E N/PEO 40V			LO 63 N/PEO 63E N/PEO 63V	
<b>AUXILIARY CONTACTS (1NO + 1NC)</b>				
LO 16-63 HE11 HV11				



## Switch type

NLT/O = Emergency stop switches, colour red/yellow  
 HLT/O = Main switches, colour black/black  
 ALT/O = DIN-Railmounting with installation cover  
 RLTO/O = Maintenance switches, enclosed



## Switch size

LO/LT

16	= 16A	7.5 kW
25	= 25A	9.5 kW
32	= 32A	11.5 kW
40	= 40A	11.5 kW
63	= 63A	22.5 kW

LT

80	= 80A	30.0 kW
100	= 100A	37.0 kW
125	= 125A	45.0 kW
180	= 180A	90.5 kW
250	= 250A	132.0 kW



## Number of contacts

3, 4, 6 or 8



## Construction form

E = 4-Hole mounting  
 ZM = Central mounting with nut (1 hole)  
 V = Base mounting  
 T = DIN-Railmounting with installation cover  
 PM = Plastic enclosure



## Accessories

Z33 = Round padlock device  
 Z20C = Padlock handle  
 Z1 = Shaft packing IP65 (ZM/PM standard)  
 Z44 = Door coupling (construction form V)  
 Z71 = Door coupling (construction form V)  
 Z45 = Door coupling with door interlock (construction form V)  
 Z75 = Door coupling with door interlock and funnel (construction form V)  
 X83 = Switch shaft with special dimension (Standard shaft 300 mm)  
 EMV = EMC compatible sheet metal (for enclosures)



## Auxiliary contacts

H11 = 1NO + 1NC (1Normally open/1Normally closed)

## Example LT

Emergency/stop switch 7,5 kW (AC-23), 3 poles, base mounting, round padlock and door interlock. The complete order details read:  
**NLT16/3V/Z33/Z45**

## Example LO

Emergency/stop switch 7,5 kW (AC-23), 3 poles, base mounting, round padlock and door interlock. The complete order details read:  
**NLO16/3V/Z33/Z71**