



NDN116A



HMD180



NDN363A



HMD399

**D curve miniature circuit breakers - mainly applied for motor control/protection**

For the protection and control of circuits against overload and short circuits. Suitable for commercial and industrial installations.

- Compatible for DC voltage applications (see chart Annex 9)




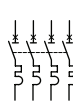
**Breaking capacity:**  
SANS / IEC 60947-2

NDN: 10kA  
HMD: 15kA

**Field fittable accessories (see B-6)**

- auxiliary/alarm contacts
- shunt trip device
- undervoltage release
- earth leakage

**Voltage rating:** 240/400V 50-60Hz

designation	type	current rating	breaking capacity	description	width in 17.5mm
<b>NDN / HMD series 10/15kA D curve (10-20 In)</b>					
<b>Single pole</b> <b>1 PP</b> 	NDN106A	6A	10kA	miniature circuit breaker	1
	NDN110A	10A	10kA	miniature circuit breaker	1
	NDN116A	16A	10kA	miniature circuit breaker	1
	NDN120A	20A	10kA	miniature circuit breaker	1
	NDN125A	25A	10kA	miniature circuit breaker	1
	NDN132A	32A	10kA	miniature circuit breaker	1
	NDN140A	40A	10kA	miniature circuit breaker	1
	NDN150A	50A	10kA	miniature circuit breaker	1
	NDN163A	63A	10kA	miniature circuit breaker	1
	HMD180	80A	15kA	miniature circuit breaker	1.5
HMD190	100A	15kA	miniature circuit breaker	1.5	
HMD199	125A	15kA	miniature circuit breaker	1.5	
<b>Two pole</b> <b>2 PP</b> 	NDN206A	6A	10kA	miniature circuit breaker	2
	NDN210A	10A	10kA	miniature circuit breaker	2
	NDN216A	16A	10kA	miniature circuit breaker	2
	NDN220A	20A	10kA	miniature circuit breaker	2
	NDN225A	25A	10kA	miniature circuit breaker	2
	NDN232A	32A	10kA	miniature circuit breaker	2
	NDN240A	40A	10kA	miniature circuit breaker	2
	NDN250A	50A	10kA	miniature circuit breaker	2
	NDN263A	63A	10kA	miniature circuit breaker	2
	HMD280	80A	15kA	miniature circuit breaker	3
HMD290	100A	15kA	miniature circuit breaker	3	
HMD299	125A	15kA	miniature circuit breaker	3	
<b>Three pole</b> <b>3 PP</b> 	NDN306A	6A	10kA	miniature circuit breaker	3
	NDN310A	10A	10kA	miniature circuit breaker	3
	NDN316A	16A	10kA	miniature circuit breaker	3
	NDN320A	20A	10kA	miniature circuit breaker	3
	NDN325A	25A	10kA	miniature circuit breaker	3
	NDN332A	32A	10kA	miniature circuit breaker	3
	NDN340A	40A	10kA	miniature circuit breaker	3
	NDN350A	50A	10kA	miniature circuit breaker	3
	NDN363A	63A	10kA	miniature circuit breaker	3
	HMD380	80A	15kA	miniature circuit breaker	4.5
HMD390	100A	15kA	miniature circuit breaker	4.5	
HMD399	125A	15kA	miniature circuit breaker	4.5	
<b>Four pole</b> <b>4 PP</b> 	NDN406A	6A	10kA	miniature circuit breaker	4
	NDN410A	10A	10kA	miniature circuit breaker	4
	NDN416A	16A	10kA	miniature circuit breaker	4
	NDN420A	20A	10kA	miniature circuit breaker	4
	NDN425A	25A	10kA	miniature circuit breaker	4
	NDN432A	32A	10kA	miniature circuit breaker	4
	NDN440A	40A	10kA	miniature circuit breaker	4
	NDN450A	50A	10kA	miniature circuit breaker	4
	NDN463A	63A	10kA	miniature circuit breaker	4
	HMD480	80A	15kA	miniature circuit breaker	6
HMD490	100A	15kA	miniature circuit breaker	6	
HMD499	125A	15kA	miniature circuit breaker	6	