UL Product iQ™

WOYR2.E314201 - Switches, Appliance and Special Use - Component

Switches, Appliance and Special Use - Component

See General Information for Switches, Appliance and Special Use - Component

ZF FRIEDRICHSHAFEN AG
GRAF-ZEPPELIN-STRASSE 1
91275 AUERBACH, GERMANY
Investigated to ANSI/UL 61058-1

E314201

Cat. No.	Load	Amps	Volts	Hz	Temp (°C)	Pol/ Thr/ Cir	Endurance 30C cycle	Endurance 55C cycle	IP	Dis (mm)	SPCA	Std. Ed.
Micro												
D41X Series	RM	0.1(0.05) PP	125-250	50-60	40T150	1/2-2.3	-	50K	40	micro	-	2005-09-30
	RM	0.1(0.05) PP	125-250	50-60	40T125	1/2-2.3	-	50K	40			
	RM	0.1(0.05) PP	125-250	50-60	40T85	1/2-2.3	-	50K	40			
	R	0.5 PP	30	DC	40T150	1/2-2.3	-	50K	40			
	R	0.5 PP	30	DC	40T125	1/2-2.3	-	50K	40			
	R	0.5 PP	30	DC	40T85	1/2-2.3	-	50K	40			
	R	0.5 PP	30	DC	T150	1/2-2.3	-	100K	40			
	R	0.5 PP	30	DC	T125	1/2-2.3	-	100K	40			
	R	0.5 PP	30	DC	T85	1/2-2.3	-	100K	40			
	RM	1(1) PP	125-250	50-60	40T150	1/2-2.3	-	1K	40			
	RM	1(1) PP	125-250	50-60	40T125	1/2-2.3	-	1K	40			

	RM	1(1) PP	125-250	50-60	40T85	1/2-2.3	-	1K	40			
	R	0.5 PP	30	DC	40T150	1/2-2.3	-	50K	40			
	R	0.5 PP	30	DC	40T125	1/2-2.3	-	50K	40			
	R	0.5 PP	30	DC	40T85	1/2-2.3	-	50K	40			
D41Y Series	RM	0.1(0.05) PP	125-250	50-60	40T125	1/2-2.3	-	50K	40	micro	-	2005-09-30
	RM	0.1(0.05) PP	125-250	50-60	40T85	1/2-2.3	-	50K	40			
	R	0.5 PP	30	DC	40T125	1/2-2.3	-	50K	40			
	R	0.5 PP	30	DC	40T85	1/2-2.3	-	50K	40			
	R	0.5 PP	30	DC	T125	1/2-2.3	-	100K	40			
	R	0.5 PP	30	DC	T85	1/2-2.3	-	100K	40			
	R	0.5 PP	30	DC	40T125	1/2-2.3	-	50K	40			
	R	0.5 PP	30	DC	40T85	1/2-2.3	-	50K	40			
D42X Series	RM	3(1)	125-250	50-60	40T150	1/2-2.3	-	50K	40	micro	-	2005-09-30
	RM	3(1)	125-250	50-60	40T125	1/2-2.3	-	50K	40			
	RM	3(1)	125-250	50-60	40T85	1/2-2.3	-	50K	40			
D42Y Series	RM	3(1)	125-250	50-60	40T125	1/2-2.3	-	50K	40	micro	-	2005-09-30
	RM	3(1)	125-250	50-60	40T85	1/2-2.3	-	50K	40			
D43X Series	RM	6(2) PP	125-250	50-60	40T150	1/2-2.3	-	50K	40	micro	-	2005-09-30
	RM	6(2) PP	125-250	50-60	40T125	1/2-2.3	-	50K	40			
	RM	6(2) PP	125-250	50-60	40T85	1/2-2.3	-	50K	40			
	RM	6(4)	125-250	50-60	40T85	1/2-1.2	-	50K	40			
D43Y Series	RM	6(2) PP	125-250	50-60	40T125	1/2-2.3	-	50K	40	micro	-	2005-09-30
	RM	6(2) PP	125-250	50-60	40T85	1/2-2.3	-	50K	40			

	RM	6(4)	125-250	50-60	40T85	1/2-1.2	-	50K	40			
D44X Series	RM	10(3)	125-250	50-60	40T150	1/2-1.2	-	50K	40	micro	-	2005-09-30
	RM	10(3)	125-250	50-60	40T125	1/2-1.2	-	50K	40			
	RM	10(3)	125-250	50-60	40T85	1/2-1.2	-	50K	40			
	R	6	30	DC	T150	1/2-1.2	-	6K	40			
	R	6	30	DC	T125	1/2-1.2	-	6K	40			
	R	6	30	DC	T85	1/2-1.2	-	6K	40			
	RM	10(8)	125-250	50-60	40T85	1/2-1.2	-	50K	40			
D44Y Series	RM	10(3)	125-250	50-60	40T125	1/2-1.2	-	50K	40	micro	-	2005-09-30
	RM	10(3)	125-250	50-60	40T85	1/2-1.2	-	50K	40			
	R	6	30	DC	T125	1/2-1.2	-	50K	40			
	R	6	30	DC	T85	1/2-1.2	-	50K	40			
D45X Series	RM	16(4)	125-250	50-60	40T85	1/2-1.2	-	50K	40	micro	-	2005-09-30
	RM	16(4) PP	125-250	50-60	40T125	1/2-2.3	-	10K	40			
	RM	16(4) PP	125-250	50-60	40T150	1/2-2.3	-	10K	40			
	RM	10(3)	125-250	50-60	40T150	1/2-1.2	-	50K	40			
	RM	10(3)	125-250	50-60	40T125	1/2-1.2	-	50K	40			
	RM	10(3)	125-250	50-60	40T85	1/2-1.2	-	50K	40			
D45Y Series	RM	16(4)	125-250	50-60	40T85	1/2-1.2	-	50K	40	micro	-	2005-09-30
	RM	16(4)	125-250	50-60	40T125	1/2-1.2	-	10K	40			
D48X Series	RM	21(8)	125-250	50-60	40T125	1/2-1.2	-	10K	40	micro	-	2005-09-30
	RM	21(8)	125-250	50-60	40T85	1/2-1.2	-	10K	40			
W41 Series	RM	0.1(0.05)	125	50-60	40T85	1/2-2.3	6K	100K	40	micro	1A,1C	2005-09-30

	RM	0.1(0.05)	250	50-60	40T85	1/2-2.3	6K	100K	40			
	R	0.5	30	DC	40T85	1/2-2.3	100K	100K	40			
W42 Series	RM	3(1)	125	50-60	40T85	1/2-2.3	6K	50K	40	micro	1A,1C	2005-09-30
	RM	3(1)	250	50-60	40T85	1/2-2.3	6K	50K	40			
W44 Series	RM	6(4)	125	50-60	40T85	1/2-1.2	6K	50K	40	micro	1A,1C	2005-09-30
	RM	6(4)	250	50-60	40T85	1/2-1.2	6K	50K	40			
	hp	1/2	125	50-60	40T85	1/2-1.2	6K	50K	40			
	hp	1/2	250	50-60	40T85	1/2-1.2	6K	50K	40			
	RM	10(4)	125	50-60	40T85	1/2-1.2	6K	50K	40			
	RM	10(4)	125	50-60	40T85	1/2-1.2	6K	50K	40			
	RM	10(4)	250	50-60	40T85	1/2-1.2	6K	50K	40			
W45 Series	RM	16(6)	125	50-60	40T85	1/2-1.2	0K	50K	40	micro	1A,1C	2005-09-30
	RM	16(6)	250	50-60	40T85	1/2-1.2	0K	50K	40			
	hp	1/2	125	50-60	40T85	1/2-1.2	6K	50K	40			
	hp	1/2	250	50-60	40T85	1/2-1.2	6K	50K	40			

Marking: Company name or tradename "CHERRY" , catalog, model or part number, electrical ratings and the Recognized Component Mark, on the product or on the smallest unit container in which the product is packaged.

Investigated to ANSI/UL 1054

Cat. No.	Amps	Volts	Hz	Load	Endur-ance	Temp C	POL/ THR	Per Pole/ Circuit Code	SPCOA
"D3"									
D36 (a)	4	250	60	GP	6K	85	1/1	-/-	-
	1	48	DC	R	12K				

	0.5	125	DC	R	15K				
D36 (b)	4	250	60	GP	6K	85	1/2	-/-	-
	1	48	DC	R	12K				
	0.5	125	DC	R	15K				
D364	4	250	60	GP	10K	85	1/1	-/-	Note A4
	-	125-250	60	1/3hp	10K				
D364 f/b suffixes (a)	4	125-250	50	GP	10K	85	1/1	-/A	-
D37 (a)	10	125-250	60	GP	6K	85	1/1	-/-	-
	-	125-250	60	1/2hp	6K				
D37 (b)	10	125-250	60	GP	6K	85	1/2	-/-	-
	-	125-250	60	1/2hp	6K				
D374	10	125-250	60	GP	6K	85	1/1	-/-	Note A4
	-	125-250	60	1/2hp	6K				
D38 (a)	16	250	60	GP	6K	85	1/1	-/-	-
	-	125-250	60	1hp	6K				
D38 (b)	16	250	60	GP	6K	85	1/2	-/-	-
	-	125-250	60	1hp	6K				
D381 or D382 f/b suffixes (a)									
	16	125-250	50	GP	6K	85	1/1	-/A	-
D383 f/b suffixes (b)	16	125-250	50	GP	6K	85	1/2	-/A	-
D3A4	6	125	60	L	6K	85	1/1	-/-	-
D3B (a)	10	125-250	60	GP	10K	85	1/1	-/-	-
	-	125-250	60	1/2hp	10K				

D3B (b)	10	125-250	60	GP	10K	85	1/2	-/-	-
	-	125-250	60	1/2hp	10K				
D3B5 f/b suffixes (a)	10	125-250	50	GP	10K	85	1/1	-/A	-
D3B6 f/b suffixes (b)	10	125-250	50	GP	6K	85	1/2	-/A	-
D3F4 f/b suffixes (a)	10	125-250	50	GP	10K	85	1/1	-/A	-
"D4"									
D41X with T150 (a)	0.1	125-250	60	GP	6K	150	1/1	-/-	Note A2
	0.5	30	DC	R	6K				
	1	125	60	GP	6K				
D41X with T150 (b)	0.1	125-250	60	GP	6K	150	1/2	-/-	Note A2
	0.5	30	DC	R	6K				
	1	125	60	GP	6K				
D41X, D41Y with T125 (a)	0.1	125-250	60	GP	6K	125	1/1	-/-	Note A2
	0.5	30	DC	R	6K				
	1	125	60	GP	6K				
D41X, D41Y with T125 (b)	0.1	125-250	60	GP	6K	125	1/2	-/-	Note A2
	0.5	30	DC	R	6K				
	1	125	60	GP	6K				
D41X, D41Y with T85 (a)	0.1	125-250	60	GP	6K	85	1/1	-/-	Note A2
	0.5	30	DC	R	6K				
	1	125	60	GP	6K				
D41X, D41Y with T85 (b)	0.1	125-250	60	GP	6K	85	1/2	-/-	Note A2

	0.5	30	DC	R	6K				
	1	125	60	GP	6K				
D42X with T150 (a)	3	125	60	GP	6K	150	1/1	-/-	-
	-	250	60	1/10hp	6K				
D42X with T150 (b)	3	125	60	GP	6K	150	1/2	-/-	-
	-	250	60	1/10hp	6K				
D42X, D42Y with T125 (a)	3	125	60	GP	6K	125	1/1	-/-	-
	-	250	60	1/10hp	6K				
D42X, D42Y with T125 (b)	3	125	60	GP	6K	125	1/2	-/-	-
	-	250	60	1/10hp	6K				
D42X, D42Y with T85 (a)	3	125	60	GP	6K	85	1/1	-/-	Note A2
	-	250	60	1/10hp	6K				
D42X, D42Y with T85 (b)	3	125	60	GP	6K	85	1/2	-/-	Note A2
	-	250	60	1/10hp	6K				
D43X with T150 (a)	5	125	60	GP	6K	150	1/1	-/-	-
	-	250	60	1/4hp	6K				
D43X with T150 (b)	5	125	60	GP	6K	150	1/2	-/-	-
	-	250	60	1/4hp	6K				
D43X, D43Y with T125 (a)	5	125	60	GP	6K	125	1/1	-/-	-
	-	250	60	1/4hp	6K				
D43X, D43Y with T125 (b)	5	125	60	GP	6K	125	1/2	-/-	-
	-	250	60	1/4hp	6K				
D43X, D43Y with T85 (a)	5	125	60	GP	6K	85	1/1	-/-	Note A2

	-	250	60	1/4hp	6K				
D43X, D43Y with T85 (b)	5	125	60	GP	6K	85	1/2	-/-	Note A2
	-	250	60	1/4hp	6K				
D44X with T150 (a)	10	125	60	GP	6K	150	1/1	-/A	-
	-	250	60	1/2hp	6K				
	6	30	DC	R	6K				
	12	125	60	GP	6K				
	-	250	60	GP	6K				
D44X with T150 (b)	10	125	60	GP	6K	150	1/2	-/A	-
	-	250	60	1/2hp	6K				
	6	30	DC	R	6K				
	12	125	60	GP	6K				
	-	250	60	GP	6K				
D44X, D44Y with T125 (a)	10	125	60	GP	6K	125	1/1	-/A	-
	-	250	60	1/2hp	6K				
	6	30	DC	R	6K				
	12	125	60	GP	6K				
	-	250	60	GP	6K				
D44X, D44Y with T125 (b)	10	125	60	GP	6K	125	1/2	-/A	-
	-	250	60	1/2hp	6K				
	6	30	DC	R	6K				
	12	125	60	GP	6K				
	-	250	60	GP	6K				

D44X, D44Y with T85 (a)	10	125	60	GP	6K	85	1/1	-/A	Note A2
	-	250	60	1/2hp	6K				
	6	30	DC	R	6K				
	12	125	60	GP	6K				
	-	250	60	GP	6K				
	-	125	60	1/3hp	6K				
	-	250	60	1/3hp	6K				
D44X, D44Y with T85 (b)	10	125	60	GP	6K	85	1/2	-/A	Note A2
	-	250	60	1/2hp	6K				
	6	30	DC	R	6K				
	12	125	60	GP	6K				
	-	250	60	GP	6K				
	-	125	60	1/3hp	6K				
	-	250	60	1/3hp	6K				
D45X with T150 (a)	15	125-250	60	GP	6K	150	1/1	-/-	Note A2
	-	125-250	60	1/2hp	6K				
D45X with T150 (b)	15	125-250	60	GP	6K	150	1/2	-/-	Note A2
	-	125-250	60	1/2hp	6K				
D45X, D45Y with T125 (a)	15	125-250	60	GP	6K	125	1/1	-/-	Note A2
	-	125-250	60	1/2hp	6K				
D45X, D45Y with T125 (b)	15	125-250	60	GP	6K	125	1/2	-/-	Note A2
	-	125-250	60	1/2hp	6K				
D45X, D45Y with T85 (a)	15	125-250	60	GP	6K	85	1/1	-/-	Note A1, Note A2

	-	125-250	60	1/2hp	6K				
D45X, D45Y with T85 (b)	15	125-250	60	GP	6K	85	1/2	-/-	Note A1, Note A2
	-	125-250	60	1/2hp	6K				
D46X with T85 (a)	20.5	125-250	60	GP	6K	85	1/1	-/-	-
	-	125	60	1hp	6K				
	-	250	60	2hp	6K				
D46X with T85 (b)	20.5	125-250	60	GP	6K	85	1/2	-/-	-
	-	125	60	1hp	6K				
	-	250	60	2hp	6K				
D48X with T85 (a)	21	250	60	GP	6K	85	1/1	-/-	-
	-	125	60	1hp	6K				
	-	250	60	2hp	6K				
D48X with T85 (b)	21	250	60	GP	6K	85	1/2	-/-	-
	-	125	60	1hp	6K				
	-	250	60	2hp	6K				
"D4W"									
D4W f/b 7, 8	3	125-250	50/60	GP	6K	85	1/1	-/A	-
	-	250	50/60	1/10hp	6K				
D4W f/b 9	3	125-250	50/60	GP	6K	85	1/2	-/A	-
	-	250	50/60	1/10hp	6K				
D4W f/b N, P	3	125-250	50/60	GP	6K	125	1/1	-/A	-
	-	250	50/60	1/10hp	6K				

D4W f/b R	3	125-250	50/60	GP	6K	125	1/2	-/A	-
	-	250	50/60	1/10hp	6K				
"DB/DC"									
DB1, DBO, DC1 f/b A, B	5	125-250	60	GP	6K	120	1/1	-/-	Note A3
	1	48	DC	R	15K				
DB1, DBO, DC1 f/b C	5	125-250	60	GP	6K	120	1/2	-/-	Note A3
	1	48	DC	R	15K				
DB1, DBO, DC1 f/b E, F	5	125-250	60	GP	6K	85	1/1	-/-	-
	1	48	DC	R	15K				
DB1, DBO, DC1 f/b G	5	125-250	60	GP	6K	85	1/2	-/-	-
	1	48	DC	R	15K				
DB2, DB7, DBL, DC2 f/b E, F									
	10.1	125-250	60	GP	6K	85	1/1	-/-	-
	-	125	60	1/4hp	6K				
DB2, DB7, DBL, DC2 f/b G	10.1	125-250	60	GP	6K	85	1/2	-/-	-
	-	125	60	1/4hp	6K				
DB2, DBL, DC2 f/b A, B	10.1	125-250	60	GP	6K	120	1/1	-/-	Note A3
	-	125	60	1/4hp	6K				
DB2, DBL, DC2 f/b C	10.1	125-250	60	GP	6K	120	1/2	-/-	Note A3
	-	125	60	1/4hp	6K				
DB3, DC3 f/b A, B	0.1	125-250	60	GP	100K	120	1/1	-/-	Note A3
	0.1	30	DC	R	100K				

	0.3	60	DC	R	6K				
DB3, DC3 f/b C	0.1	125-250	60	GP	100K	120	1/2	-/-	Note A3
	0.1	30	DC	R	100K				
	0.3	60	DC	R	6K				
DB3, DC3 f/b E, F	0.1	125-250	60	GP	100K	85	1/1	-/-	-
	0.1	30	DC	R	100K				
	0.3	60	DC	R	6K				
DB3, DC3 f/b G	0.1	125-250	60	GP	100K	85	1/2	-/-	-
	0.1	30	DC	R	100K				
	0.3	60	DC	R	6K				
DB4 f/b A, B	4	125-250	60	GP	6K	120	1/1	-/-	Note A3
	1	48	DC	R	15K				
DB4 f/b C	4	125-250	60	GP	6K	120	1/2	-/-	Note A3
	1	48	DC	R	15K				
DB4 f/b E, F	4	125-250	60	GP	6K	85	1/1	-/-	-
	1	48	DC	R	15K				
DB4 f/b G	4	125-250	60	GP	6K	85	1/2	-/-	-
	1	48	DC	R	15K				
DB5 f/b E, F	1	125-250	60	GP	6K	85	1/1	-/-	-
	1	48	DC	R	15K				
DB5 f/b G	1	125-250	60	GP	6K	85	1/2	-/-	-
	1	48	DC	R	15K				
DB6 f/b E, F	5	250	60	GP	6K	85	1/1	-/-	-

	5	125	60	GP	100K				
DB6 f/b G	5	250	60	GP	6K	85	1/2	-/-	-
	5	125	60	GP	100K				
DBM f/b A, B	3	125-250	60	GP	6K	120	1/1	-/-	Note A3
DBM f/b C	3	125-250	60	GP	6K	120	1/2	-/-	Note A3
DBM f/b E, F	3	125-250	60	GP	6K	85	1/1	-/-	-
DBM f/b G	3	125-250	60	GP	6K	85	1/2	-/-	-
DC4 f/b A, B	3	125-250	60	GP	6K	120	1/1	-/-	Note A3
	1	48	DC	R	15K				
DC4 f/b C	3	125-250	60	GP	6K	120	1/2	-/-	Note A3
	1	48	DC	R	15K				
DC4 f/b E, F	3	125-250	60	GP	6K	85	1/1	-/-	-
	1	48	DC	R	15K				
DC4 f/b G	3	125-250	60	GP	6K	85	1/2	-/-	-
	1	48	DC	R	15K				
"DZ"									
DZ1 f/b E, F	5	125-250	60	GP	6K	85	1/1	-/-	-
DZ1 f/b G	5	125-250	60	GP	6K	85	1/2	-/-	-

(a) - These devices are SPST switches

(b) - These devices are SPDT switches

1A - The switch is to be employed in an end use product providing an enclosure or insulating barrier that provides Reinforced or Double Insulation over the front and rear switch enclosure Surfaces.

1B - The terminals have been evaluated for prepared flexible stranded conductor sized 1.0 mm2 for rating 1/2 Hp, 125/250 V ac and 1.5 mm2 for ratings 0.1(0.05)A, 3(1) A, 10(4) A, 16(6) A, 125/250 V ac.

1C - The terminals provided have been evaluated as prepared Quick-Connect terminals, solder type terminal and un-prepared screw connection.

1D - The dielectric voltage withstand test for ratings 0.1(0.05)A, 3(1) A, 10(4) A, 16(6) A, 125/250 V ac is conducted for 5 s, it should be verified in the end product testing and follow-up testing for 60 s

1E - The ground fuse breakdown indicator should be verified in the end product and follow-up testing

Note A1 - This switch has been subjected to Pilot Duty testing, rating codes A300 and R300, in accordance with UL 508, 17th Edition, Table 139.1 and 139.2

Note A2 - Switches may have an endurance rating of 100,000 c for several electrical ratings, which is identified by a marked L in a circle

Note A3 - Maximum rated ambient temperature is 105°C for lead connected types, only.

Note A4 - Cat. No. D36 or D37 with suffix 4 are normally open and employ a minimum 3 mm contact gap

T125 - Designates the maximum rated ambient temperature of 125°C

T150 - Designates the maximum rated ambient temperature of 150°C

T85 - Designates the maximum rated ambient temperature of 85°C

Marking: Company name or tradename "CHERRY" , catalog, model or part number, electrical ratings and the Recognized Component Mark, on the product or on the smallest unit container in which the product is packaged.

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