

Ditec Cross

Industrial sliding gate automation

Sliding gates require flexible automation able to control a wide range of sizes, different access traffic and changing weather conditions, yet to provide optimal safety, operation and reliability.

The **Ditec Cross** range meets a wide range of **commercial and industrial requirements**.

The automation system can be completed with Ditec command, control and safety devices.



Product specifications

EN

Main features

Description	Cross 18	Cross 18E	Cross 18VE	Cross 19V	Cross 30E
Capacity	1800 kg	1800 kg	1800 kg	1800 kg	3000 kg
Stroke control	rotary stop	lever	magnetic mechanical stop	magnetic mechanical stop	magnetic mechanical stop
Service index	4 - intensive	4 - intensive	4 - intensive	4 - intensive	5 - heavy duty
Intermittent operation	S2 = 30 min S3 = 50%	S2 = 30 min S3 = 50%	S2 = 30 min S3 = 50%	S2 = 30 min S3 = 50%	S3 = 100%
Power absorption	230 V AC 50 Hz	230 V AC 50 Hz	230 V AC 50 Hz	400 V AC 50 Hz	400 V AC 50 Hz
Input	3 A	3 A	3 A	1.2 A	2.1 A
Thrust	1200 N	1200 N	1200 N	1500 N	3000 N
Opening and closing speed	0.2 m/s	0.2 m/s	0.2 m/s	0.2 m/s	0.16 m/s
Max stroke	11 m	20 m	20 m	20 m	20 m
Release system for manual opening	key operated	key operated	key operated	key operated	a key operated
Operating temperature	-20°C / +55°C (-35°C / +55°C with NIO enabled)			-20°C / +55°C	-20°C / +55°C
Protection level	IP 24D	IP 24D	IP 24D	IP 24D	IP 45

Main system functions

Description	Cross 18 - 18E	Cross 18 -18VE	Cross 19V - Cross30E
Control panel	ref. E1A for 1 230 V AC motor with built-in radio	ref. LOGIC M for 1 or 2 230 V AC motors	ref. E1T for 1 three-phase 400 V AC motor
Mains power supply	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz
Number of motors	1	1	1
Motor power supply	230 V AC / 5 A	230 V AC / 1 x 5 A 230 V AC / 2 x 2.5 A	400 V AC / 6 A
Accessories power supply	24 V DC / 0.5 A	24 V DC / 0.5 A	24 V DC / 0.5 A
Flashing light	230 V AC	230 V AC and 24 V DC	24 V DC
Gate open warning light (warns the user if gate is not fully closed)	from limit switch	from limit switch and analogue	from limit switch
Courtesy light	■	■ (only with 1 motor)	
Limit switch provision	■	■	■
Force adjustment control	transformer	transformer	
ODS - Obstruction detection system	■	■	
Operation time adjustment	■	■	
Open control	■ (with dip-switch)	■	■ (with dip-switch)
Partial open control	■ (with radio only)	■	■
Closing command	■	■	■
Automatic timed close control	■	■	■
Inching control	■	■	■
Hold-to-run control	■	■	■
Stop safety device	■	■	■
Reverse operation safety device	■	■	■
Safety Test Facility (for SOF self-testing safety devices)	■	■	■
NIO - Antifreeze system	■	■	

	Control panel	On board the operator?	Radio receiver on board the panel?
CROSS 18	E1A LOGIC M	to be provided to be provided	■ to be provided
CROSS 18E	E1A	■	■
CROSS 18VE	LOGIC M	■	to be provided
CROSS 19V	E1T	to be provided	to be provided
CROSS 30E	E1T	■	to be provided