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## CERTIFICATE OF APPROVAL

### No CF 5419

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This is to certify that, in accordance with  
 TS00 General Requirements for Certification of Fire Protection Products  
 The undermentioned products of

## C. ED. SCHULTE GMBH

**Friedrichstrasse 243, 42551 Velbert, Germany**  
**Tel: 00492 0512 040**

Have been assessed against the requirements of the Technical Schedule(s)  
 denoted below and are approved for use subject to the conditions  
 appended hereto:

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#### CERTIFIED PRODUCT

**Range of Locks/Latches**

#### TECHNICAL SCHEDULE

**TS23 The Contribution of  
 Locks and Latches to The  
 Performance of Fire Resisting  
 Doorsets**

**Signed and sealed for and on behalf of CERTIFIRE**



Sir Ken Knight  
 Chairman  
**WCL Impartiality Committee**



Paul Duggan  
 Certification Manager  
**Warrington Certification Ltd**



Issued: 18<sup>th</sup> May 2016  
 Valid to: 17<sup>th</sup> May 2021

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## CERTIFICATE No CF 5419 C.ED. SCHULTE GMBH

### RANGE OF LOCKS AND LATCHES

1. The locks and latches covered by this certificate are all steel cased. This approval relates to the following specific locks:

Commercial	
9200	Din Euro Sashlock – 72 mm c/c, 8 mm follower.
9200F	Din Nightlatch - 72 mm c/c, 8 mm follower.
9200R	Din Deadlock.
9200WC	Din Bathroom Lock - 78 mm c/c, 8 mm follower.
Contract	
9234	Din Euro Sashlock – 72 mm c/c, 8 mm follower, low-noise
9290	Din Bathroom Lock - 78 mm c/c, 8 mm follower.

The approval includes the following variants:

- 20 mm and 24 mm width Forend options, square or radisused
  - 55 mm, 60 mm, 65 mm, 70mm and 80 mm Backset options.
2. This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), Section D of the Technical Standards (Scotland) and Technical Booklet E (N. Ireland). If compliance is required to other regulatory or guidance documents there may be additional considerations or conflict to be taken into account.
3. This approval relates to the use of the above locks/latches in contributing to the fire resistance performance of metallic based doorsets, as defined in BS EN 1634-1 or BS 476: Part 22: 1987.
4. This approval relates to their use with the following door assemblies:-

**Latched and unlatched, intumescent sealed door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in timber frames having a fire resistance of 30, 60, 90 and 120 minutes (Code ITT).**

**Latched and unlatched, door assemblies consisting of uninsulated or insulated metal door assemblies in metal frames with or without intumescent seals having a fire resistance up to 240 minutes (Code IMM/MM).**

5. The locks are approved on the basis of:
- i) Initial type testing to EN 1634-1 and EN 12209
  - ii) An appraisal against TS23
  - iii) Inspection of quality management system
  - iv) Inspection and surveillance of factory production control
  - v) On-going audit testing in accordance with TS23

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**RANGE OF LOCKS AND LATCHES**

6. This approval is applicable only to the specified locks/latches used with door assemblies of proven fire resistance (as defined in BS EN 1634-1 or BS 476: Part 22: 1987) and, when fitted to timber based doorsets, using appropriate intumescent protection. For 30 minute door assemblies no intumescent protection is required, the required protection for 60 minute door assemblies will be 1 mm thick Interdens intumescent sheet material behind the forend and strike plates and around the lock case. Failure to install the protection will invalidate this certificate.
7. This approval is applicable only to the specified locks/latches used with door assemblies of proven fire resistance (as defined in BS EN 1634-1 or BS 476: Part 22: 1987) and, when fitted to 90 minute and 120 minute timber based doorsets and mineral composite based doorsets (ITT), using appropriate intumescent protection. The required intumescent protection shall be as tested by the chosen door manufacturer. In all cases this shall be a minimum of a 2 mm thick 'Interdens' intumescent sheet material incorporated around the lock case and a bedding of the same type and thickness of Interdens material behind the forend and strike plate/keep, however, this protection shall be increased as required based on the chosen doorset manufacturers test data.
8. Lock assemblies not incorporating a latching mechanism shall only be fitted to proven unlatched door assemblies.
9. The locks/latches should not be fitted higher than 1100 mm from the finished floor level of the surrounding floors.
10. The approval relates to on-going production. Product and/or its immediate packaging is identified with the manufacturer's name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application where appropriate.
11. The timber doorset shall be installed in accordance with BS 8214: 2008.

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**RANGE OF LOCKS AND LATCHES**

The following table shows the acceptable doorset types and fire resistance periods:

Class	Approved Door Type					
	IMM	MM	TT	ITT	ITM	ITC
FD20	✓	✓	✗	✓	✗	✗
FD30	✓	✓	✗	✓	✗	✗
FD60	✓	✓	✗	✓	✗	✗
FD90	✓	✓	✗	✓	✗	✗
FD120	✓	✓	✗	✓	✗	✗
FD240	✓	✓	✗	✗	✗	✗
E 20	✓	✓	✗	✓	✗	✗
EI 20	✓	✓	✗	✓	✗	✗
E 30	✓	✓	✗	✓	✗	✗
EI 30	✓	✓	✗	✓	✗	✗
E 60	✓	✓	✗	✓	✗	✗
EI 60	✓	✓	✗	✓	✗	✗
E 90	✓	✓	✗	✓	✗	✗
EI 90	✓	✓	✗	✓	✗	✗
E 120	✓	✓	✗	✓	✗	✗
EI 120	✓	✓	✗	✓	✗	✗
E 240	✓	✓	✗	✗	✗	✗
EI 240	✓	✓	✗	✗	✗	✗

See CERTIFIRE Technical Schedules for designation of doorset types i.e. ITT etc.

**Key:**

- ✓ - approved
- ✗ - Not approved

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**RANGE OF LOCKS AND LATCHES****Limitations of Approval****30 and 60 minute ITT doorsets**

Installation of the locksets within 30 and 60 minute timber based and mineral composite based doorsets shall be subject to the following requirements:

- Door frame density - 460 kg/m<sup>3</sup> (30 minutes), 640 kg/m<sup>3</sup> (60 minutes)
- Leaf to frame clearance gaps not to exceed 2.5 mm average and 3 mm maximum
- Door leaves shall have a minimum thickness of 44 mm for 30 minute applications and 54 mm for 60 minute applications
- Lipping density – 650 kg/m<sup>3</sup>

**Steel-based door assemblies**

- Door leaves shall have a minimum thickness of 44 mm for up to 240 minute applications.

**90 minute and 120 minute ITT doorsets**

THE RANGE OF LOCKS AND LATCHES shall only be fitted in 90 and 120 minute doorsets which have previously been tested with locks/latches of a similar size and specification, subject to the following requirements:

- The required intumescent protection shall be as tested by the chosen door manufacturer. in all cases this shall be a minimum of a 2 mm thick 'Interdens' intumescent sheet material incorporated around the lock case and a bedding of the same type and thickness of Interdens material behind the forend and strike plate/keep, however, this protection shall be increased as required based on the chosen doorset manufacturers test data.
- Where chosen doorsets are approved in latched configurations only, the chosen doorset shall have been tested with a maximum latch bolt throw of 13.5 mm.
- Where cylinders are required the chosen doorset shall have been successfully tested with single or double cylinders as required.
- The chosen doorset shall have been successfully tested with a lock/latch of the following minimum size:

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**Limitations of Approval – Cont'd**

Component/dimension	minimum Size (mm)
<b><i>Basic lockcase</i></b>	
Forend width	22
Forend Height	225
Forend thickness	2
Case height	155
Case width	85
Case thickness	13
<b><i>Sashlock/bathroom strike plate</i></b>	
Strike plate width	22 (exc. Lip)
Strike plate height	160
Strike plate thickness	1.5
Strike plate lip height	50
<b><i>NightLatch strike plate</i></b>	
Strike plate width	22 (exc. Lip)
Strike plate height	75
Strike plate thickness	1.5
Strike plate lip height	50
<b><i>Deadlock keep</i></b>	
Strike plate width	22
Strike plate height	75
Strike plate thickness	1.5

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**Range of Locks/Latches**

**Approved lock/latch models and classifications.**

**EN12209**

9200 (Sashlock)

3	M	5	1	0	F	3	B	C	2	0
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9200F (Nightlatch)

3	M	5	1	0	F	0	B	A	2	0
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9200R (Deadlock)

3	C	5	1	0	F	3	B	C	0	0
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9200WC (Bathroom Lock)

3	M	5	1	0	F	3	B	G	2	0
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9234 (Sashlock)

3	M	5	1	0	G	3	H	C	2	0
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9290 (Bathroom Lock)

3	M	5	1	0	G	0	H	G	2	0
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**Further Information**

Further information regarding the details contained in this certificate may be obtained from C. ED. SCHULTE GMBH (Tel: 00492 0512 040 ).

Further information regarding CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646777).