

# DIN EN ISO 16380:2019-04 (E)

## Road vehicles - Blended fuels refuelling connector (ISO 16380:2014, including Amd 1:2016)

---

<b>Contents</b>		<b>Page</b>
European foreword .....		3
Foreword .....		4
Introduction .....		5
1	Scope .....	6
2	Normative references .....	7
3	Terms and definitions .....	7
4	General construction requirements .....	8
5	Nozzles .....	10
6	Standard receptacle dimensions .....	11
6.1	Standard receptacle dimensions Size 1 (M200, M250, M350) .....	11
6.2	Standard receptacle dimensions size 2 (N200, N250) .....	15
7	Receptacles .....	17
8	Instructions .....	17
9	Marking .....	18
10	Tests .....	19
10.1	General requirements .....	19
10.2	User interface .....	19
10.3	Impact resistance .....	20
10.4	Receptacle protective caps .....	20
10.5	Leakage at room temperature .....	20
10.6	Valve operating handle .....	21
10.7	Abnormal loads .....	21
10.8	Rocking/twisting .....	22
10.9	Mounting hardware torque .....	23
10.10	Leakage test at low and high temperatures .....	23
10.11	Durability .....	24
10.12	Hydrostatic strength .....	27
10.13	Corrosion resistance .....	27
10.14	Deformation .....	28
10.15	Non-igniting evaluation .....	28
10.16	Vibration resistance .....	28
10.17	Hydrogen embrittlement .....	28
10.18	Pressure tight protective cap (PTPC) .....	29
Annex A (informative)	Table of nozzle characteristics .....	37
Annex B (informative)	Manufacturing and production test plan .....	38
Annex C (informative)	Receptacle test fixture .....	39

<b>Annex D (informative) Nozzle clearance dimensions .....</b>	<b>49</b>
<b>Bibliography .....</b>	<b>50</b>